



This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at <http://books.google.com/>

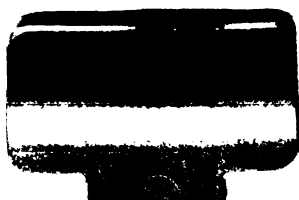
UC-NRLF



\$B 113 414

LIBRARY
OF THE
ASTRONOMICAL SOCIETY
OF THE PACIFIC

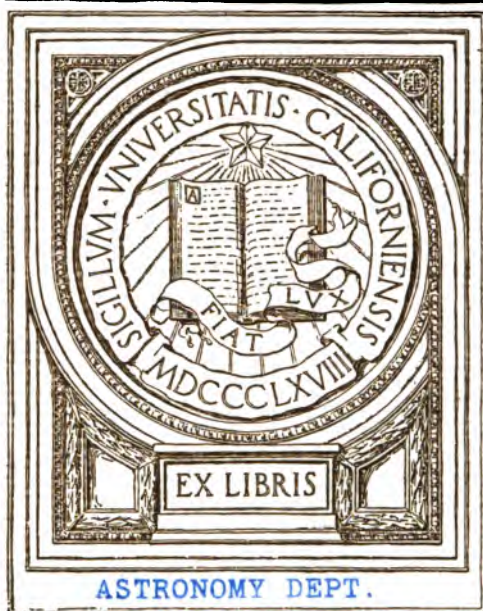
38



524.8

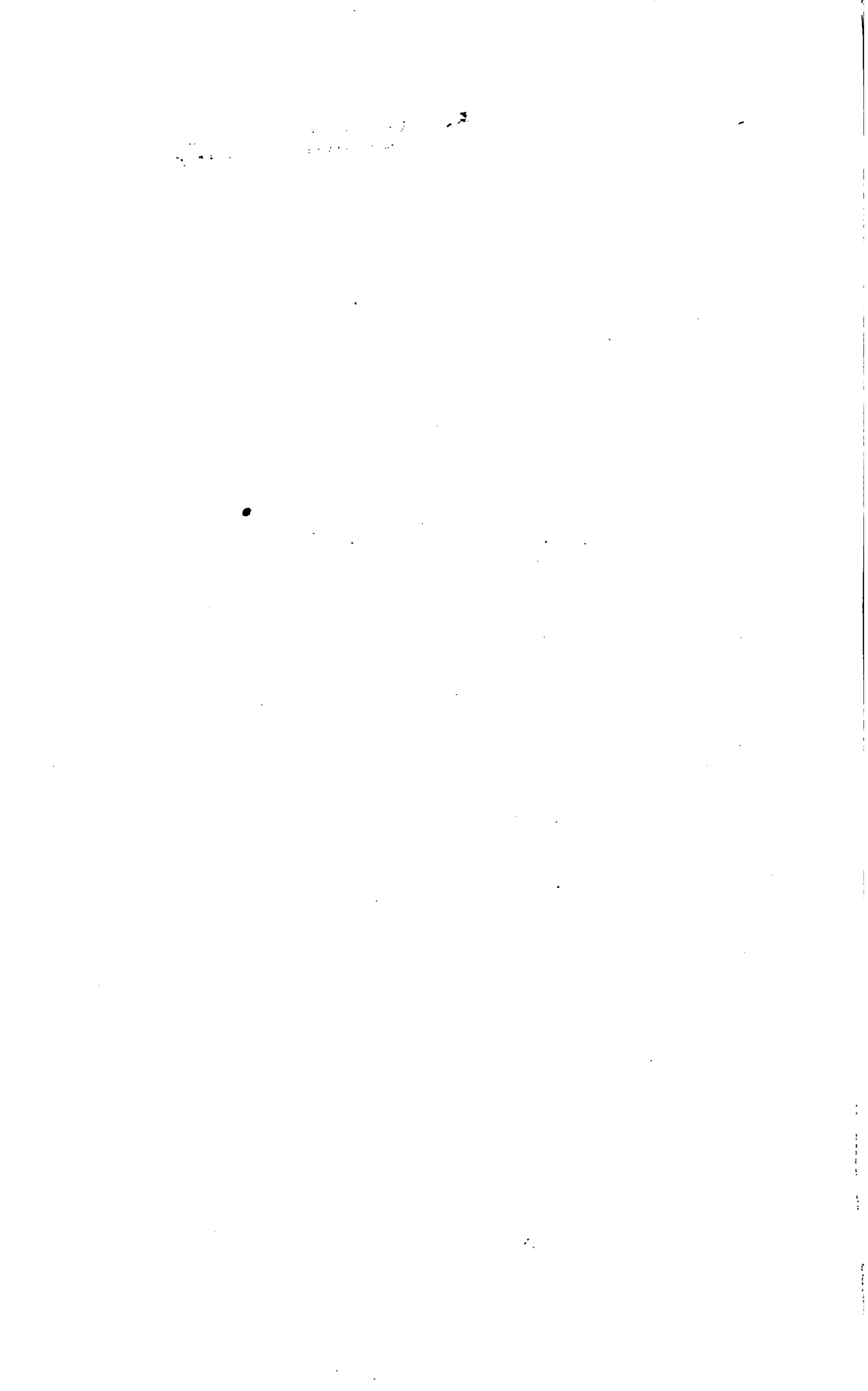
C

GIFT OF
ASTRONOMICAL SOCIETY OF THE
PACIFIC



EX LIBRIS

ASTRONOMY DEPT.



LIBRARY
OF THE
ASTRONOMICAL SOCIETY
OF THE PACIFIC

HELIOMETER OBSERVATIONS

FOR

DETERMINATION OF STELLAR PARALLAX

MADE AT THE

ROYAL OBSERVATORY, CAPE OF GOOD HOPE, *Royal observatory*

BY

DAVID GILL, LL.D. (ABERD. AND EDIN.), F.R.S.,
" HON. F.R.S., EDIN., &C.,

HER MAJESTY'S ASTRONOMER AT THE CAPE.

*Published by order of the Lords Commissioners of the Admiralty,
in obedience to Her Majesty's Command.*



LONDON:
PRINTED BY EYRE AND SPOTTISWOODE,
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY.

1893.

QB813
GS
Astron.
dept.

Gift of Astr. Soc. of Pacific

ASTRONOMY DEPT.

70 1000
1000 1000

INTRODUCTION.

Soon after I had the honour of being appointed Her Majesty's Astronomer at the Cape, in 1879, I directed the attention of the Lords Commissioners of the Admiralty to the fact that no adequate equipment for refined extra meridian observations existed at the Observatory. Before making further official proposals to remedy this defect I had the good fortune to procure, by private purchase, the Helimeter which I had used at Dun Echt, and in connexion with the expedition of Lord Lindsay (now the Earl of Crawford and Balcarres) to the Island of Mauritius in 1874, when I observed with it the opposition of the minor planet Juno,* and which I afterwards employed by Lord Lindsay's kind permission, in the Royal Astronomical Society's expedition to the Island of Ascension to observe the opposition of Mars in 1877.†

The instrument as employed at Mauritius and Ascension is fully described in the Dun Echt publications, Vol. II. For use at the Cape I could not obtain the original equatoreal mounting, and therefore ordered a new stand for the Helimeter tube and cradle from Sir H. Grubb of Dublin, taking advantage of the opportunity thus offered to have some alterations made on the instrument which previous experience had proved to be desirable. These alterations were chiefly in connexion with the slow motion of the tube in position-angle. In the original instrument the quick motion in position-angle was accomplished by turning a rod, which carried a pinion which acted on a wheel of which the Helimeter tube formed the axis. Slow motion was given by rotating this rod very slowly by means of a toothed wheel acted on by a tangent screw, but the effect was to create a certain amount of torsion of the rod before any rotation of the tube took place, so that there was wanting that immediate and precise response to the observer's action which is essential for easy and accurate measurement. I therefore planned the following arrangement.

At the end of the cradle next to the observer, there is fitted on the tube (or rather on one of the collars attached to the tube)

* Dun Echt publications, vol. ii.

† Memoirs of the R.A.S., vol. xlv., pp. 1-172.

a ratchet wheel with square cut teeth. This wheel is so fitted as to turn smoothly on the collar, but, when the observer so desires, it can be clamped firmly to the tube by a handle coming down to the eye-end. A steel screw with a square-cut thread (such as Grubb uses for the driving screws of his Equatoreals) acts on the teeth of this wheel, whilst the pivots of this screw rest in bushes in a frame attached to the cradle. The screw is turned by bevel wheels acted on by a handle coming down to the eye-end. When the observer turns the handle the wheel slowly rotates; and, if the tube is clamped to the wheel, a smooth easy rotation is communicated to the tube. This slow motion as well as the Equatoreal mounting, and the driving clock were admirably constructed by Sir. H. Grubb and the instrument was in every respect efficient, stable, and convenient.

During a visit to some of the principal European observatories, before my departure for the Cape, I met Mr. W. L. Elkin, a student under Professor Winnecke, who was then engaged in preparing his "*Inaugural Dissertation*" for the Degree of Doctor of Philosophy at the University of Strasburg. The subject he had selected was the orbit and parallax of α Centauri and he applied to me for any observations of α Centauri as a double star, or any unpublished meridian observations of α β Centauri which I might find on the records of the Cape Observatory.* In the course of conversation I informed Mr. Elkin of my purchase of the Heliometer, and of the purposes to which I intended to apply it. He expressed much interest in my programme and his keen desire to take part in such work, It was finally arranged that, on the completion of his curriculum and on the arrival of the Heliometer, Dr. Elkin should come to the Cape and share my labours.

The Heliometer reached the Cape in the end of December 1880 (the Lords Commissioners of the Admiralty having defrayed the cost of transport), and I proceeded at once to erect it in an old observatory which had been built by Sir Thomas Maclear in 1847, to cover a small telescope by Dollond. This observatory is described in *Mem. R.A.S.*, vol. xx, pp. 31-34. I had duly completed the necessary alterations of the building, and the adjustments of the instrument when Dr. Elkin arrived at the Cape, on 1881, January 31. The following month was spent in preliminary experiments, in the selection of stars of comparison, and in the preparation of a programme.

* These observations I supplied soon after my arrival at the Cape, and they are incorporated in his Dissertation "*Ueber die Parallaxe von α Centauri.*" Karlsruhe, 1880.

This settled, I was on the point of leaving for Durban and Aden to carry out the longitude operations connecting these places with the Cape, when I was suddenly recalled to England on urgent private affairs. I made new arrangements for the longitude work, so that when I returned to the Cape on 1881, June 30, I was enabled to take up the programme of the Helio-meter observations at an earlier date than I originally intended. Dr. Elkin occupied my house in my absence, and remained as my guest, and as a member of my family circle until the completion of our programme. He sailed from the Cape on 1883, May 16. His work from first to last was a labour of love.

The results of the observations contained in this volume have been published in the *Memoirs of the Royal Astronomical Society*, vol. xlviii.; but in connexion with such work it is usual and desirable to publish sufficient details of the original observations to enable other Astronomers to verify the subsequent computations.

In the selection of comparison stars the conditions aimed at were:—

1. Symmetrical situation with respect to the star whose parallax is to be determined, that is to say, nearly at equal distances from it, and different in position-angle nearly 180° . As far as possible these position-angles should nearly coincide with the position-angle of the major axis of the parallactic ellipse, but when several pairs of comparison stars are employed this condition cannot of course be fulfilled.
2. Both comparison stars should be nearly of equal magnitude.
3. They should be stars having little or no proper motion.

The following are the positions of the comparison stars as determined with the Cape Transit Circle, and the adopted position-angle and distance from the principal star; the other existing observations reduced to the same equinox will be found in the *Mem. R.A.S., loc. cit.*

Star	Comp. Star.	α 1882.0.	δ 1882.0.	Mag.	Adopted	
					Position Angle.	Distance.
α_2 Centauri -		h m s	° ' "		°	" R
	α	14.26.29.30	-59.29.41.6	7	323.07	3836 = 298.1
		31.35.77	-60.20.46.7	1		
	β	35.51.13	-61. 1. 7.8	7½	142.24	3063 238.1
	α^1	18. 9.55	-60.13. 7.0	8	274.38	6012 467.2
	β^1	43.52.13	-60.21.23.4	8	90.39	5466 424.7
	a	30. 6.20	-58.36.56.7	6.9	354.27	6230 484.2
	b	33.43.37	-60.41.29.5	7½	168.45	4970 386.6
	α^1	25. 1.59	-60.16.42.8	8	274.73	2940 228.4
	b^1	14.37.52.90	-60.21.59.8	8	91.50	2802 217.6
Sirius -	α	6.36.41.56	-15.53.41.4	7	310.21	3680 286.4
		39.56.81	-16.33.20.8	-1.4		
	β	42.22.37	-17.22.49.8	7	144.90	3630 282.0
	a	34.49.95	-17.11.12.3	7½	242.77	4950 385.3
ϵ Indi -	b	6.45. 5.45	-15.53.40.0	8	61.83	5030 391.9
	α	21.49.56.38	-57.15.56.0	7½	270.35	2130 165.8
		21.54.19.39	-57.16.10.6	5.2		
	β	21.59.38.30	-57.25.28.5	7½	102.17	2640 205.2
ϵ Indi -	a	21.44.30.89	-57.53.14.0	7	244.83	5200 406.4
	b	22. 5. 2.96	-57.53. 7.3	7½	63.10	5920 459.5
Lacaille 9352	α	22.49.34.82	-37.18.25.9	7.9	245.88	6830 531.0
		22.58.14.42	-36.31.55.8	7.5		
	β	23. 3.47.98	-36. 2.17.8	7.3	66.21	4410 342.5
α_2 Eridani -	α	4. 5. 6.75	- 9. 7.42.0	6.0	220.17	6270 487.3
		9.50.48	- 7.50.15.0	4.4		
	β	4.14.51.47	- 6.31.38.8	6.7	43.52	6500 505.2
β Centauri -	γ	13.53.37.90	-59.41. 5.2	7	296.26	950 73.9
		13.55.30.40	-59.48. 9.6	1.2		
ζ Tucanæ -	α	0.12.43.63	-64. 7.52.8	7½	355.02	5190 403.7
		13.54.74	-65.34. 6.0	4.1		
	b	0.16. 0.10	-66.57.31.9	7½	171.42	5060 393.5
e Eridani -	α	3. 8.17.08	-44.51.45.9	6.2	221.93	6570 511.4
		15.12.89	-43.31.18.9	4.4		
	b	3.21.58.74	-42. 3. 4.1	6.5	42.54	6920 538.3
Canopus -	α	6.18.48.41	-52.36.16.0	8	293.98	1380 107.6
		21.19.92	-52.37.53.8	0.4		
	b	6.23.29.71	-52.34.58.6	8½	81.50	1190 92.8

A complete observation consists of the following processes :—

1. The Position Circle is set to the required position-angle and the segments separated in distance the requisite amount.
2. The axis of the tube is directed, by means of the Hour and Declination Circles, to the middle point between the stars to be observed, when the images of the two stars are seen together in the field of view.
3. The observer, by slow motion in position-angle and distance, now brings the images to near contact, especially adjusting the distance as nearly as possible. This latter adjustment cannot be accurately made by superposing the images; the best practical method is to first place the images of the two stars so that, while the discs are nearly in contact, the line joining their centres shall be at right angles to the direction of measurement. The estimation of this condition is facilitated in two ways: 1st, the images formed by semi-lenses are not circles but ellipses, and when the definition is good and the stars are sufficiently bright, the most accurate plan is to make the major axes of the two ellipses coincident. The accuracy of this estimation is greatly enhanced by immediate and frequent interchange of the two images by use of the slow motion in position-angle. The symmetrical emergence of the elliptical discs from behind each other in alternate opposite directions forms the most refined method of "pointing" known to astronomers. When the images are very faint or ill-defined, the power of estimating distances in this way is not available, because the major axis of the ellipse cannot be precisely distinguished. To provide for this, four flat intersecting wires were inserted, in the common focus of the object glass and eye-piece, forming a square, in the centre of the field, two sides of the square are parallel to the direction of motion in distance, and two at right angles to this direction. The observer takes the latter pair of wires as his guides, and by motion of the "distance-handle" adjusts the position angle of the artificial close double star parallel to the direction of these wires. This observation is analogous to that in which an observer with a parallel-wire micrometer adjusts the wires parallel to the line joining the centres of the double star whose position angle he is measuring, but with this difference, that the latter moves the position-angle of his micrometer till the

wires are parallel to the stars under observation, whilst the Heliometer observer changes the apparent position-angle of the artificial double star by motions of his "distance-handle" until the line joining the components is parallel to his guiding wires. Immediately "crossing through" (*i.e.*, exchanging the relative positions of the two stars), he verifies his former observation, and, if he finds it confirmed, proceeds to read the scales. The eye is very sensitive to the symmetrical crossing of the stars and readily detects any apparent change of parallelism in the guiding wires as such error in the first pointing is doubled after "crossing through."

The accuracy in pointing by either of these methods is greatly enhanced when the two images are precisely similar, hence the great attention paid to the construction of the screens employed to equalize the images. These screens were constructed of one, two, and three thicknesses of wire gauze of different mesh, and by careful selection and trial little difficulty was found in procuring satisfactory equalization of the images; the light of Sirius, for example, being reduced to such perfect equality with that of the comparison stars α and β (7th magnitude) that it was impossible to distinguish the image of Sirius from that of the comparison stars, either by the difference of brilliancy or by the appearance of the disc, when both were viewed near the centre of the square. If the images of the comparison stars differed in magnitude the screen was, as a rule, adjusted so as to reduce the brilliancy of the principal star to the mean brightness of the comparison stars.

When the observer has completed a "pointing" in the manner described, he reads the scales as already mentioned.

The "scales" are of silver, attached to the two slides which carry the halves of the object-glass and are divided into 150 divisions figured at each tenth division. The microscope views both scales at once and (approximately) when the readings of the scale are identical the optical centres of the segments are in coincidence. If this condition could always be realised, the difference of the readings of the two scales would give directly the distance measured in terms of the scale.

In practice it is of course necessary to find accurately the difference of the readings when the optical centres are in coincidence; this difference is termed the "Index-error."

Two turns of the micrometer-screw correspond very nearly with one division of the scale.

An account of the investigation of the division-errors of the scales is given in Dun Echt publications, Vol. II., pp. 11-51.

As the object throughout the following series of observations was to determine not the absolute distance of the primary star from its comparison stars but the change of these distances as produced by proper motion and parallax, the same divisions were employed throughout the whole of the observations of the same distance, and no corrections for division-error have been applied except for determining the Runs.

In reading the scales a pointer marks the centre of the field of view of the microscope, and the division preceding and following the pointer is read on each scale.

The segments and screen are reversed after each observation, a second pointing is made, and the scales again read.

The instrument is then set for the position-angle and distance of the second comparison star and directed by the circles to the middle point for the new pair, a pointing made, the scales read, the segments and screen reversed, the stars again pointed and the scales read.

Thus the distance of each of the two opposite comparison stars is measured once in each of the two opposite positions of the segments, and so also the effect of Index-error is eliminated. But such an observation is not complete, because it is non-symmetrical—a progressive change in the relative temperatures of different parts of the instrument may, as a matter of fact frequently does, create a change of scale-value which can only be eliminated by arranging the observations in symmetrical order. Therefore the same observations are repeated in the reverse order, that is to say, if the first pair be made in the order $a\ b$, the second pair would be in the order $b\ a$. The instrument having been reversed 180° in position-angle similar observations are made in the order $a\ b\ b\ a$. To complete the symmetry of the work, care was taken on the following night of observation to arrange the order $b\ a\ a\ b$.

The following is a copy of the form in which the observations were entered with the original record as entered by the observer.*

* No. 2 has been selected because there is a misprint in No. 1, *vide* list of errata.

HELIOMETER OBSERVATIONS AT THE CAPE OF GOOD HOPE, 6 JULY 1881.

OBJECTS: α_2 Centauri and δ .

GROUP 2. GILL.

CHRONOMETER.

h m sec.		Readings.			h m sec.		Bar.	in. 30° 25.	Ther. 57° 0.
14° 56' 25	A	·603	105	1·600	.	I	323	.	.
	B	·880	46	1·872		II	.	.	.
15° 0' 5	A	·300	45	2·310	.	I	.	.	.
	B	·430	105	2·480		II	.	.	.
15° 35' 53	A	·623	45	2·633	.	I	143	.	.
	B	·810	105	2·803		II	.	.	.
15° 41' 5	A	·059	105	2·040	.	I	.	.	.
	B	·343	46	2·335		II	.	.	.
Images 2-3.		Steadiness 2-3.			Bar.		in. ,	Ther. ,	.

OBJECTS: α_2 Centauri and α .

GROUP 2. GILL.

CHRONOMETER.

h m sec.		Readings.			h m sec.		Bar.	in.	Ther.
15° 7' 25	A	·257	38	1·245	.	I	323	.	.
	B	·500	113	1·503		II	.	.	.
15° 13' 55	A	·780	113	0·780	.	I	.	.	.
	B	·965	39	0·970		II	.	.	.
15° 20' 35	A	·795	113	0·783	.	I	143	.	.
	B	·993	39	0·991		II	.	.	.
15° 28' 15	A	·730	38	1·719	.	I	.	.	.
	B	·009	113	2·005		II	.	.	.
P. 9° 50						Bar.	in.	Ther.	59.

HELIOMETER OBSERVATIONS AT THE CAPE OF GOOD HOPE, 6 JULY 1881.

OBJECTS: α_2 Centauri and δ .

GROUP 2. GILL.

CHRONOMETER.

h m sec.		Readings.			h m sec.		Bar.	in.	Ther.
									59°0
15.46.0	A	.753	105	1.741	.	I	143	.	.
	B	.039	46	2.029		II		.	.
15.50.55	A	.891	45	2.900	.	I		.	.
	B	.090	105	3.087		II		.	.
16.28.35	A	.560	45	2.563	.	I	323	.	.
	B	.750	105	2.740		II		.	.
16.35.40	A	.040	105	2.040	.	I		.	.
	B	.294	46	2.279		II		.	.
								in.	°
								Bar.	Ther.

OBJECTS: α_2 Centauri and α .

GROUP 2. GILL.

CHRONOMETER.

h m sec.		Readings.			h m sec.		Bar.	in.	Ther.
									59°5
15.57.17	A	.461	38	1.442	.	I	143	.	.
	B	.718	113	1.717		II		.	.
16.4.37	A	.010	113	0.995	.	I		.	.
	B	.210	39	1.211		II		.	.
16.15.0	A	.702	113	0.685	.	I	323	.	.
	B	.880	39	0.883		II		.	.
16.21.25	A	.540	38	1.527	.	I		.	.
	B	.814	113	1.814		II		.	.
								in.	°
								Bar.	Ther.

Bar. 30.24. Ther. 59.5.

The times entered are those of the Sidereal Chronometer employed. In the block of "Readings" the left-hand column gives the reading of the scale division on the further side of the pointer from the micrometer head, the webs approach the head with increased readings of the head.

The middle column gives the division which is read on the side of the pointer next the micrometer head, and the right-hand column the micrometer reading on the named division.

The scale readings increase as the micrometer readings decrease; therefore, if we refer the scale readings to the zero of the micrometer, it is clear that were there no index-error, no error of Run, and no error of the micrometer-screw, the true reading for scale A. would be 105 divisions = 210 revolutions + 1·600 revolutions. But if we suppose for the moment that the division-errors are insensible, the error of Run on scale A. is $\cdot 603 - \cdot 600 = +0\cdot003$ rev. over two revolutions, or $+0\cdot0015$ per revolution; because if the pointings were exact, and there were no division-error, both readings should agree or rather should differ exactly 2 rev. But since there are accidental errors of pointing in reading the micrometer scales, it is better to deduce the Run from all the scale readings made in the same complete observation, and this is accordingly done. In the example in question we have the following differences in order:—

Scale A.	Corr. for Screw-error.*	Scale B.	Corr. for Screw-error.
r + 0·003 — 0·010 — 0·010 + 0·019 + 0·012 + 0·000 + 0·012 + 0·011 + 0·012 — 0·009 — 0·003 + 0·000 + 0·019 + 0·015 + 0·017 + 0·013	r + 0·001 0·001 0·000 0·001 0·002 0·002 0·002 0·001 0·011 0·000 0·000 0·001 0·002 0·002 0·002 0·001	r + 0·008 0·000 + 0·007 — 0·008 — 0·003 — 0·005 + 0·002 + 0·004 + 0·010 + 0·003 + 0·010 + 0·015 + 0·001 — 0·001 — 0·003 0·000	r + 0·001 0·001 0·000 0·001 0·001 0·002 0·002 0·001 0·001 0·000 0·000 0·001 0·001 0·002 0·002 + 0·001
Sum + 0·101	+ 0·019	+ 0·056	+ 0·017

* The corrections for screw-error result from a very thorough investigation of the screw made independently by Gill and Elkin, the two results being in close agreement:—

$$\begin{aligned}
 & 0\cdot00021 \cos u - 0\cdot00165 \sin u - 0\cdot00017 \cos 2u + 0\cdot00043 \\
 & \sin 2u + 0\cdot00097 n - 0\cdot00024 n^2
 \end{aligned}$$

where u is the reading of the screw-head, and n the number of revolutions from 0·00.

The sum of the 16 apparent Runs	r	
over two revolutions is thus	-	+0·101
Correction for screw-error	-	+0·019
} Scale A.		
Sum of 16 apparent Runs over		
two revolutions	-	+0·056
Correction for screw-error	-	+0·017
} Scale B.		
<hr/>		
		64)+0·193
<hr/>		
Mean correction for Run	-	+0·0030 per rev.
<hr/>		

Having thus determined the correction for Run for one revolution, the corresponding correction is to be applied to the readings. These corrections might be applied only to the reading of the division next the micrometer-head, but in this way some accuracy would be lost. It is more exact to suppose that our point of reference is the middle point between the two divisions, and to shift our reference point in imagination, one revolution farther from the micrometer-head. The reduction is then precisely the same as if we used only one division and a known Run, except that the mean of the readings of the two scales is entered instead of the reading of only one.

Tables were prepared which give the correction for screw-error applicable to the mean of the readings of the two scales with the argument "lower reading."

The computation of the distances is then effected as follows:—

Where the sign of B-A refers only to the sign of the correction for index-error.

Computation of Corrected

Name and Group	-	h m				α_2 Centauri			
Date and Time	-	1881, July 6.				15° 4' 1			
Scale	- - -	A		B		A		B	
Follg. Div. $\times 2$	-	210°		92°		90°		210°	
Mean Screw Reading	-	+ 1° 602		+ 1° 876		+ 2° 305		+ 2° 480	
Screw-error	-	+ 4		+ 4		+ 1		+ 2	
Run	- - -	+ 5		+ 6		+ 7		+ 7	
Sum	- - -	211° 611		93° 886		92° 313		212° 489	
B-A	Diff.	- 117° 725				237° 901			
	Refn.	120° 176				73			
Distance	- - -	237° 974							

Name and Group	-	h m				α_2 Centauri			
Date and Time	-	15° 16 5							
Scale	- - -	A		B		A		B	
Follg. Div. $\times 2$	-	76°		226°		226°		78°	
Mean Screw Reading	-	+ 1° 251		+ 1° 502		+ 0° 780		+ 0° 968	
Screw-error	-	+ 2		+ 2		+ 5		+ 4	
Run	- - -	+ 4		+ 5		+ 2		+ 3	
Sum	- - -	77° 257		227° 509		226° 787		78° 975	
B-A	Diff.	- 150° 252				298° 064			
	Refn.	147° 812				89			
Distance	- - -	298° 153							

Name and Group	-	h m				α_2 Centauri			
Date and Time	-	15° 54° 3							
Scale	- - -	A		B		A		B	
Follg. Div. $\times 2$	-	210°		92°		90°		210°	
Mean Screw Reading	-	+ 1° 747		+ 2° 034		+ 2° 896		+ 3° 089	
Screw-error	-	+ 5		+ 2		+ 3		+ 2	
Run	- - -	+ 5		+ 6		+ 9		+ 9	
Sum	- - -	211° 757		94° 042		92° 908		213° 100	
B-A	Diff.	- 117° 715				237° 907			
	Refn.	120° 192				67			
Distance	- - -	237° 974							

Name and Group	-	h m				α_2 Centauri			
Date and Time	-	16° 6' 8							
Scale	- - -	A		B		A		B	
Follg. Div. $\times 2$	-	76°		226°		226°		78°	
Mean Screw Reading	-	+ 1° 452		+ 1° 718		+ 1° 003		+ 1° 211	
Screw-error	-	+ 1		+ 5		+ 3		+ 2	
Run	- - -	+ 4		+ 5		+ 3		+ 4	
Sum	- - -	77° 457		227° 728		227° 009		79° 217	
B-A	Diff.	- 150° 271				298° 063			
	Refn.	147° 792				85			
Distance	- - -	298° 148							

Scale and Screw Readings.

and *b*.

h m
15.44.3

2.

A	B	A	B
90° + 2°628 + 3 + 8	210° + 2°807 + 4 + 8	210° + 2°050 + 2 + 6	92° + 2°339 + 0 + 7
92°639	212°819	212°058	94°346
- 120°180 117°712		237°892 69	
237°961			

and *a*.

h m
15.30.3

2.

A	B	A	B
226° + 0°789 + 5 + 2	78° + 0°992 + 3 + 3	76° + 1°725 + 5 + 5	226° + 2°007 + 2 + 6
226°796	78°998	77°735	228°015
- 147°798 150°280		298°078 88	
298°166			

and *b*.

h m
16.38.0

2.

A	B	A	B
90° + 2°562 + 3 + 8	210° + 2°745 + 4 + 8	210° + 2°040 + 2 + 6	92° + 2°287 + 1 + 7
92°573	212°757	212°048	94°295
- 120°184 117°753		237°937 66	
238°003			

and *a*.

h m
16.24.0

2.

A	B	A	B
226° + 0° 694 + 5 + 2	78° + 0° 882 + 4 + 3	76° + 1° 534 + 3 + 5	226° + 1° 814 + 4 + 5
226° 701	78° 889	77° 542	227° 823
-- 147° 812 150° 281		298° 093 84	
298° 177			

The correction for chronometer error on July 6, derived from comparison with the transit-clock, was $+5.8$ m. which applied to the mean of each pair of chronometer times of observation gives the sidereal time for each pair of pointings as printed in the results.

The refraction is computed, having regard to the readings of the meteorological instruments, for each of these epochs; and being applied the result is the true observed distance free from index-error. The mean of four such determinations of each pair constitutes a complete observation for parallax. The reader who may desire to verify the refraction corrections has only to take the sum of the two distances marked r , the difference between this sum and the column marked R is the refraction. The figures in the column marked R give the distance in semi-revolutions of the micrometer-screw. In computing the effect of proper motion and aberration, and in the deduction of the parallaxes, a semi-revolution (R) of the micrometer-screw has been taken:—

$$R = 12'' \cdot 865.$$

The mean results of these observations and all details of their subsequent discussion are given in the Memoirs of the Royal Astronomical Society, vol. xlviii., and need not, therefore, be repeated here. The concluded results are:—

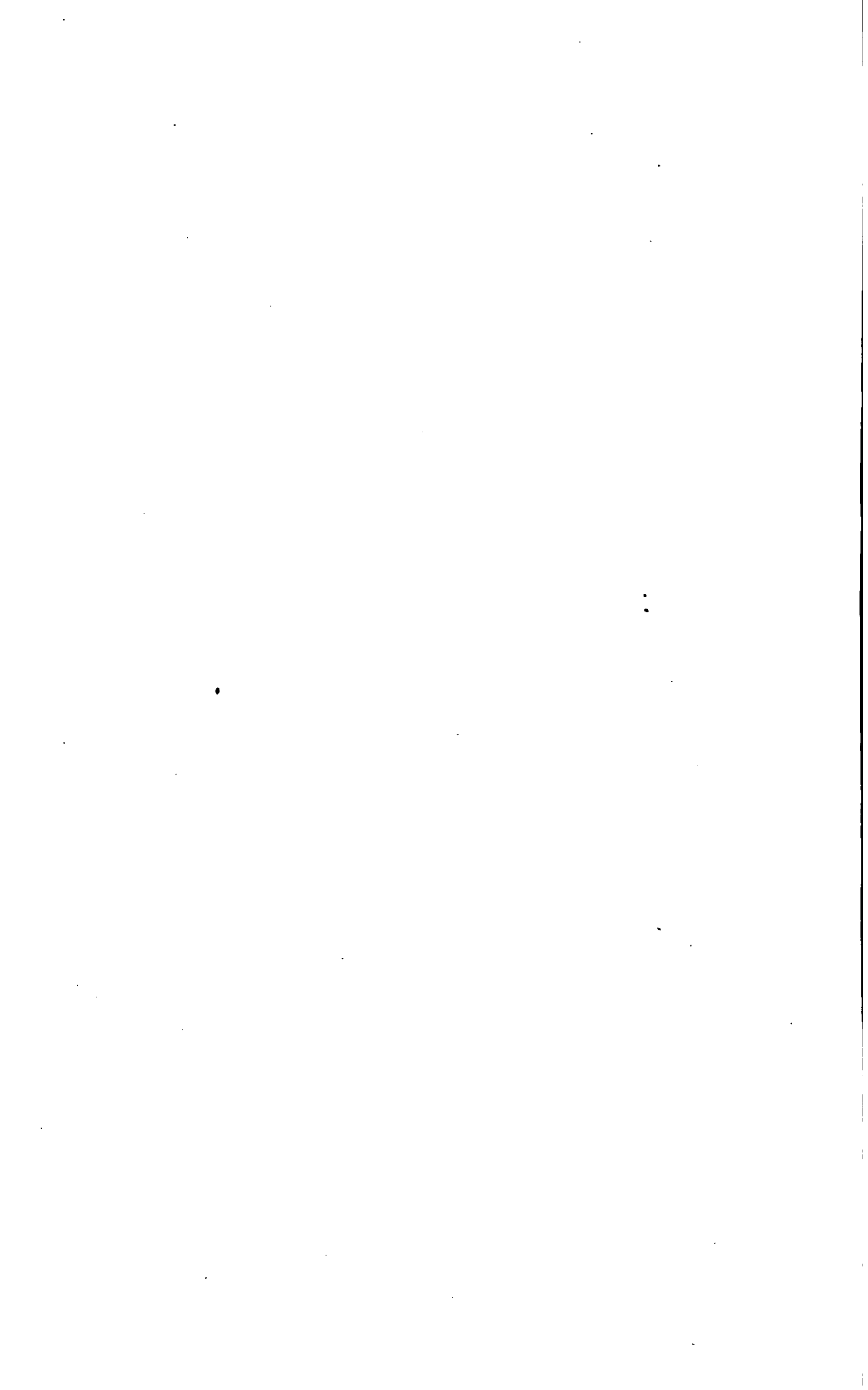
Star.	Observer.	Parallax.	Probable Error.	Magnitude of Comparison Stars.
α Centauri - -	Gill and Elkin -	$+0''.75$	$\pm 0''.01$	7.6
Sirius - -	" - -	$+ .38$	.01	7.5
ϵ Indi - -	" - -	$+ .22$	.03	$7\frac{1}{2}$
Lacaille, 9352 -	Gill - -	$+ .28$	.02	7.6
α Eridani - -	" - -	$+ .166$	.018	6.4
β Centauri - -	" - -	$- .018$	.019	7
ζ Tucanæ - -	Elkin - -	$+ .06$	.019	$7\frac{1}{2}$
ϵ Eridani - -	" - -	$+ .14$	.020	6.4
Canopus - -	" - -	$+ .03$	.030	8

On the publication of these results (*loc. cit.*), I submitted to the Lords Commissioners of the Admiralty a proposal to acquire a new Heliometer, of seven inches aperture, for the observatory to continue the work on stellar parallax thus begun, and to determine the Solar Parallax by observations of Minor Planets. Their Lordships responded favourably to this appeal. The instrument was ordered from Messrs. Repsold and Söhne of

Hamburg in 1884, was completed early in 1887, slightly modified in a few details after inspection by me in Hamburg, and was erected, and at work at the Cape before the end of the same year. This instrument has in every respect fulfilled the high expectations which I had formed of its powers, and the results already obtained, and which will shortly be published, will, I trust, be found to have amply justified the liberality of the Lords Commissioners of the Admiralty.

DAVID GILL.

Royal Observatory,
Cape of Good Hope,
1893, January 13.



Univ. of
California

HELIOMETER OBSERVATIONS.

70 740
A1880 11A0

HELIOMETER OBSERVATIONS FOR STELLAR PARALLAX.

MR. GILL'S OBSERVATIONS.

α_2 Centauri.

1881, July 5.

α					β				
h	m	r	r	R	h	m	r	R	
15	33.7	150.274	147.790	298.153	15	51.0	117.716	120.186	237.971
16	24.2	147.820	150.271	298.091	16	6.6	120.167	117.733	237.969
16	38.5	150.264	147.814	298.164	16	56.0	117.729	120.178	237.976
17	22.1	147.823	150.271	298.182	17	8.9	120.185	117.716	237.970

in
Bar. 30.42. Ther. 49.8. Run + 2.4. Images 2-3. Steadiness 3.

α_2 Centauri.

1881, July 6.

β					α				
h	m	r	r	R	h	m	r	R	
15	4.1	117.725	120.176	237.974	15	16.5	150.252	147.812	298.153
15	44.3	120.180	117.712	237.961	15	30.3	147.798	150.280	298.166
15	54.3	117.715	120.192	237.974	16	6.8	150.271	147.792	298.148
16	38.0	120.184	117.753	238.003	16	24.0	147.812	150.281	298.177

in
Bar. 30.25. Ther. 58.5. Run + 3.0. Images 2-3. Steadiness 2-3.

α_2 Eridani.

1881, July 6.

α				β					
h	m	r	R	h	m	r	R		
23	50.3	244.659	242.214	487.545	0	2.7	250.966	253.466	505.089
0	37.9	242.346	244.797	487.534	0	19.1	253.549	251.043	505.125

in
Bar. 30.22. Ther. 54.2. Run + 5.0. Images 3-4. Steadiness 3-4.

α_2 Centauri.

1881, July 7.

α					β				
h	m	r	r	R	h	m	r	r	R
17	3.6	147.812	150.299	298.195	17	19.7	120.210	117.741	238.020
18	10.5	150.278	147.830	298.206	17	59.5	117.743	120.210	238.027
18	21.3	147.808	150.248	298.159	18	31.6	120.188	117.735	238.008
20	4.4	150.196	147.752	298.160	19	51.0	117.691	120.154	237.989

in
Bar. 30.30. Ther. 56.5. Run + 3.1. Images 3. Steadiness 3.

α_2 Centauri.

1881, July 8.

β				α			
h	m	r	R	h	m	r	R
17	12.7	120.198	117.736	17	26.0	147.834	150.264
17	57.3	117.731	120.185	17	38.6	150.270	147.802
18	8.9	120.191	117.721	18	30.1	147.802	150.286
18	57.0	117.690	120.180	18	45.4	150.231	147.776

Bar. 30.38. Ther. 49.0. Run + 3.7. Images 3. Steadiness 3.

 ϵ Indi.

1881, July 8.

α				β			
h	m	r	R	h	m	r	R
19	18.7	84.035	81.593	19	32.2	101.447	103.899
19	58.8	81.605	84.044	19	46.9	103.919	101.459
20	9.4	84.062	81.610	20	25.1	101.469	103.920
20	54.4	81.602	84.081	20	42.6	103.922	101.465

Bar. 30.35. Ther. 48.0. Run + 4.2. Images 1-2 & 2. Steadiness 1-2 & 2.

 α_2 Centauri.

1881, July 11.

α				β			
h	m	r	R	h	m	r	R
15	49.0	147.782	150.263	15	58.1	120.184	117.739
16	16.4	150.251	147.789	16	7.0	117.705	120.191
17	7.5	147.785	150.262	17	18.3	120.188	117.699
17	34.8	150.266	147.803	17	26.5	117.743	120.181

Bar. 30.57. Ther. 49.7. Run + 3.5. Images 1-2. Steadiness 2 & 1-2.

 β Centauri.

1881, July 11.

γ			
h	m	r	R
16	31.9	35.715	38.176
16	47.3	38.192	35.719

Bar. 30.56. Ther. 59.0. Run + 5.3. Images 1-2. Steadiness 1-2.

 α_2 Eridani.

1881, July 11.

β				α			
h	m	r	R	h	m	r	R
23	38.1	250.751	253.281	23	54.5	244.595	242.173
0	26.1	253.476	251.040	0	10.5	242.189	244.729
0	37.3	251.064	253.552	0	51.2	244.775	242.323
1	19.4	253.623	251.132	1	5.6	242.349	244.814

Bar. 30.57. Ther. 47.9. Run + 2.9. Images 3 & 2-3. Steadiness 3-4 & 3.

α_2 Centauri.

1881, July 12.

β					α				
h	m	r	r	R	h	m	r	r	R
17	32.9	120.219	117.696	237.988	17	49.0	147.774	150.262	298.131
18	21.9	117.717	120.201	238.003	18	8.2	150.262	147.769	298.133
19	6.8	120.194	117.685	237.986	19	15.7	147.763	150.237	298.148
19	46.8	117.666	120.171	237.982	19	53.4	150.263	147.730	298.162
in									
Bar. 30.50.					Ther. 42.2.				
					Run + 3.6.				

 β Centauri.

1881, July 12.

γ				
h	m	r	r	R
18	58.8	38.187	35.695	73.932
18	51.7	35.695	38.187	73.938
in				
Bar. 30.50.				
Ther. 41.0.				
Run + 2.5.				

 α_2 Eridani.

1881, July 14.

α				β			
h	m	r	R	h	m	r	R
0	27.5	242.261	244.821	0	41.8	253.571	251.096
1	7.6	244.839	242.313	0	56.1	251.049	253.564
1	18.3	242.371	244.855	1	29.2	253.634	251.153
1	49.8	244.853	242.330	1	42.5	251.115	253.645
in							
Bar. 30.45.				Ther. 51.1.			
				Run + 3.3.			

 α_2 Eridani.

1881, July 15.

β				α			
h	m	r	R	h	m	r	R
0	4.4	253.503	250.847	0	18.0	242.141	244.815
0	47.8	250.951	253.662	0	36.8	244.871	242.185
0	58.6	253.713	250.985	1	10.5	242.244	244.907
1	35.3	251.057	253.705	1	22.9	244.926	242.266
in							
Bar. 30.25.				Ther. 42.5.			
				Run + 4.1.			

 α_2 Centauri.

1881, July 16.

β_1					α_1				
h	m	r	r	R	h	m	r	r	R
15	48.8	213.557	210.975	424.659	16	6.1	232.322	234.889	467.359
16	41.5	210.949	213.521	424.618	16	22.6	234.902	232.312	467.369
16	55.5	213.557	210.962	424.674	17	11.8	232.299	234.844	467.330
17	37.0	210.922	213.494	424.600	17	24.9	234.872	232.292	467.363
in									
Bar. 29.99.					Ther. 57.5.				
					Run + 3.4.				

α_2 Centauri.

1881, July 19.

α				β			
h	m	r	R	h	m	r	R
15	46.1	147.646	150.390	15	58.9	120.320	117.605
16	28.2	150.391	147.666	16	15.6	117.597	120.323
17	13.3	147.652	150.392	17	26.8	120.311	117.603
17	48.7	150.383	147.643	17	38.8	117.575	120.310
in							
Bar. 30.32.				Ther. 39.8.			
				Run + 4.9.			

 β Centauri.

1881, July 19.

γ							
h	m	r	R	h	m	r	R
16	44.4	35.588	38.297	17	31.1	73.911	
16	54.4	38.311	35.579	17	31.1	73.918	
in							
Bar. 30.32.				Ther. 42.0.			
				Run + 4.3.			

 α_2 Eridani.

1881, July 19.

α				β			
h	m	r	R	h	m	r	R
0	1.8	242.062	244.788	0	17.9	253.580	250.918
0	48.0	244.921	242.198	0	37.6	250.949	253.678
0	59.6	242.210	244.910	1	14.3	253.726	251.000
1	47.0	244.957	242.263	1	32.4	251.014	253.733
in							
Bar. 30.22.				Ther. 37.7.			
				Run + 4.6.			

 α_2 Centauri.

1881, July 20.

α_1				β_1			
h	m	r	R	h	m	r	R
16	36.2	234.895	232.248	16	51.2	210.878	213.572
17	16.6	232.198	234.899	17	4.0	213.584	210.881
17	32.3	234.867	232.218	17	44.0	210.879	213.580
18	12.4	232.168	234.867	17	59.3	213.554	210.867
in							
Bar. 30.09.				Ther. 41.8.			
				Run + 3.1.			

 α_2 Centauri.

1881, July 24.

β_1				α_1			
h	m	r	R	h	m	r	R
16	29.4	210.913	213.578	16	44.2	234.906	232.193
17	7.2	213.606	210.890	16	58.7	232.215	234.894
17	16.1	210.872	213.560	17	29.0	234.882	232.209
17	54.0	213.558	210.884	17	39.8	232.196	234.858
in							
Bar. 30.42.				Ther. 51.8.			
				Run + 4.0.			

α_2 Centauri.

1881, July 25.

α_1			β_1		
h	m	R	h	m	R
16	6.8	234.897	16	19.2	210.916
16	46.4	232.202	16	34.4	213.610
16	54.8	234.897	17	6.3	210.872
17	34.4	232.180	17	19.8	213.586
		232.211			213.585
		467.260			424.642
		467.255			424.644
		467.280			424.647
		467.263			424.651

 in
Bar. 30.48.

Ther. 53.5.

Run + 4.1.

 α_2 Eridani.

1881, July 25.

β			α		
h	m	R	h	m	R
0	22.0	253.573	0	38.0	242.157
1	2.5	250.957	0	51.3	244.862
1	13.6	253.704	1	29.0	242.219
1	53.2	251.009	1	44.3	244.940
		250.890			242.185
		504.988			487.406
		504.974			487.401
		505.019			487.398
		504.974			487.427

 in
Bar. 30.43.

Ther. 53.5.

Run + 4.2.

 α_2 Eridani.

1881, July 26.

α			β		
h	m	R	h	m	R
0	32.5	244.831	0	46.8	250.920
1	15.5	242.189	1	3.9	253.660
1	27.2	244.903	1	37.6	251.016
2	2.4	242.252	1	49.9	253.684
		242.277			253.638
		487.528			504.976
		487.366			505.012
		487.419			504.983
		487.427			504.987

 in
Bar. 30.25.

Ther. 43.0.

Run + 3.9.

 α_2 Centauri.

1881, July 27.

β_1			α_1		
h	m	R	h	m	R
17	15.1	213.554	17	32.1	232.155
18	1.8	210.850	17	46.8	234.835
18	14.3	213.533	18	28.3	232.130
19	2.9	210.831	18	49.6	234.791
		213.491			232.066
		424.601			467.201
		424.539			467.247
		424.584			467.260
		424.601			467.162

 in
Bar. 30.15.

Ther. 59.0.

Run + 3.9.

 α_2 Centauri.

1881, July 28.

α_1			β_1		
h	m	R	h	m	R
16	33.9	234.875	16	46.6	210.874
17	9.9	232.200	16	59.1	213.509
17	37.8	234.807	17	47.0	210.866
18	8.1	232.207	17	55.9	213.499
		232.204			210.881
		467.245			424.591
		467.253			424.533
		467.167			424.579
		467.273			424.586

 in
Bar. 30.21.

Ther. 49.9.

Run + 3.7.

α_2 Eridani.

1881, July 28.

β					α				
h	m	r	r	R	h	m	r	R	
0	33.1	250.910	253.594	504.976	0	47.4	244.818	242.180	487.362
1	10.6	253.669	250.990	504.998	1	0.6	242.198	244.864	487.390
1	20.4	251.012	253.650	504.980	1	31.7	244.872	242.216	487.355
1	53.9	253.674	251.038	504.970	1	44.4	242.217	244.901	487.364

Bar. 30.24.

Ther. 48.1.

Run + 5.2.

 α_2 Centauri.

1881, July 29.

β_1					α_1				
h	m	r	r	R	h	m	r	R	
16	32.5	213.547	210.909	424.602	16	42.1	232.194	234.841	467.205
17	2.1	210.906	213.541	424.609	16	51.7	234.891	232.177	467.245
17	12.1	213.540	210.897	424.606	17	22.3	232.167	234.834	467.200
17	41.9	210.863	213.550	424.605	17	32.1	234.861	232.186	467.206

Bar. 30.26.

Ther. 53.8.

Run + 4.3.

 α_2 Centauri.

1881, August 28.

β					α				
h	m	r	r	R	h	m	r	r	R
17	19.1	117.688	120.228	237.985	17	33.7	150.258	147.711	298.058
18	7.4	120.242	117.698	238.017	17	55.3	147.723	150.228	298.045
18	23.4	117.694	120.197	237.973	18	36.9	150.241	147.707	298.060
19	10.7	120.229	117.689	238.025	18	54.2	147.715	150.218	298.057

Bar. 30.34.

Ther. 56.0.

Run + 3.3.

 α_2 Centauri.

1881, August 29.

α					β				
h	m	r	r	R	h	m	r	R	
17	30.1	150.219	147.719	298.025	17	39.2	117.703	120.230	238.004
18	0.7	147.728	150.226	298.050	17	51.5	120.191	117.738	238.002
18	12.2	150.213	147.721	298.033	18	23.5	117.701	120.227	238.010
18	45.7	147.706	150.212	298.035	18	33.4	120.200	117.700	237.986

Bar. 30.33.

Ther. 57.8.

Run + 4.2.

Sirius.

1881, August 29.

α					β				
h	m	r	r	R	h	m	r	r	R
2	20.6	144.380	141.886	286.374	2	33.3	139.713	142.233	282.027
3	0.5	141.879	144.385	286.360	2	47.9	142.232	139.735	282.048
3	12.3	144.363	141.884	286.340	3	25.3	139.748	142.222	282.051
3	49.3	141.870	144.385	286.342	3	36.9	142.224	139.713	282.018

Bar. 30.28.

Ther. 50.4.

Run + 4.5.

α_2 Centauri.

1881, August 20.

β					α				
h	m	r	r	R	h	m	r	r	R
17	36.2	117.714	120.194	237.978	17	46.3	150.242	147.702	298.035
18	6.6	120.225	117.708	238.010	17	57.0	147.732	150.204	298.040
18	47.1	117.679	120.215	237.987	18	57.1	150.194	147.718	298.039
in									
Bar. 30.34.					Ther. 55.6.				
					Run + 4.4.				

 β Centauri.

1881, August 30.

γ				
h	m	r		R
18	22.8	35.698	38.171	73.911
18	33.1	38.136	35.683	73.868

 ϵ Indi.

1881, August 31.

β				α				
h	m	r	R	h	m	r	R	
1	45.0	101.358	103.882	1	56.9	84.039	81.556	165.693
2	24.4	103.874	101.376	2	10.5	81.581	84.054	165.741
2	39.8	101.375	103.903	2	51.5	84.011	81.547	165.691
3	19.9	103.840	101.348	3	5.5	81.525	84.006	165.676
in								
Bar. 30.10.				Ther. 52.2.				
				Run + 5.3.				

 α_2 Centauri.

1881, September 3.

α				β					
h	m	r	R	h	m	r	R		
18	10.4	150.238	147.731	298.070	18	17.8	117.715	120.217	238.013
18	34.2	147.702	150.210	298.025	18	26.5	120.209	117.710	238.003
19	5.8	147.702	150.193	298.030	19	12.6	120.217	117.690	238.017
19	27.9	150.188	147.708	298.055	19	20.0	117.678	120.196	237.990
in									
Bar. 30.24.				Ther. 47.3.				Run + 3.7.	

 β Centauri.

1881, September 3.

γ				
h	m	r	r	R
18	46.2	38.188	35.680	73.921
18	55.0	35.676	38.180	73.912
in				
Bar. 30.24.		Ther. 47.0.		Run + 5.4.

ε Indi.

1881, September 3.

α			β		
h	m	R	h	m	R
22	8.4	81.606	22	23.0	103.924
22	50.0	84.096	22	36.0	101.415
23	1.9	81.586	23	10.6	103.905
23	34.6	84.091	23	27.9	101.385

Bar. 30.21.

Ther. 49.3.

Run + 3.9.

Sirius.

1881, September 5.

β			α		
h	m	R	h	m	R
2	36.8	139.714	2	51.1	144.378
3	11.4	142.234	3	0.7	141.870
3	19.1	139.733	3	28.4	144.404
3	57.3	142.240	3	43.2	141.869

Bar. 30.21.

Ther. 45.2.

Run + 4.5.

ε Indi.

1881, September 6.

β			α		
h	m	R	h	m	R
2	16.0	103.869	2	33.1	81.534
3	4.2	101.394	2	50.7	84.052
3	17.3	103.859	3	32.4	81.504
4	1.1	101.273	3	43.0	84.013

Bar. 30.38.

Ther. 42.2.

Run + 5.5.

α₂ Centauri.

1881, September 7.

β			α		
h	m	R	h	m	R
18	28.2	120.222	18	38.4	147.718
18	59.5	117.716	18	50.5	150.199
19	38.7	117.706	19	48.4	150.178
20	13.6	120.185	19	59.8	147.661

Bar. 30.42.

Ther. 54.8.

Run + 3.1.

β Centauri.

1881, September 7.

γ		
h	m	R
19	10.1	35.701
19	24.8	38.147

ε Indi.

1881, September 7.

α				β					
h	m	r	R	h	m	r	R		
22	10.0	81.582	84.089	165.718	22	19.6	103.909	101.395	205.363
22	46.3	84.096	81.577	165.722	22	33.9	101.388	103.910	205.357
22	56.9	81.558	84.102	165.710	23	8.1	103.914	101.390	205.365
23	28.2	84.078	81.600	165.731	23	18.2	101.414	103.913	205.389
in									
Bar. 30.42.				Ther. 55.3.				Run + 6.5.	

 α₂ Centauri.

1881, September 10.

α_1					β_1				
h	m	r	r	R	h	m	r	r	R
17	57.0	234.731	232.305	467.270	18	13.3	210.953	213.424	424.597
18	38.8	232.249	234.716	467.255	18	27.2	213.456	210.958	424.649
18	49.3	234.730	232.278	467.314	19	3.5	210.915	213.416	424.612
19	24.0	232.210	234.636	467.217	19	16.2	213.416	210.957	424.673
in									
Bar. 30.18.					Ther. 57.0.				
					Run + 2.7.				

ε Indi.

1881, September 10.

β				α					
h	m	r	R	h	m	r	R		
22	19.8	103.887	101.418	205.363	22	29.3	81.615	84.069	165.732
23	0.3	101.403	103.859	205.321	22	41.0	84.055	81.602	165.706
23	15.3	103.918	101.399	205.378	23	29.4	81.618	84.067	165.738
23	55.8	101.420	103.914	205.401	23	43.1	84.060	81.632	165.747
in				°					
Bar. 30.17.				Ther. 53.3.				Run + 4.4.	

 α₂ Centauri.

1881, September 13.

α				β					
h	m	r	R	h	m	r	R		
17	57.1	150.219	147.746	298.060	18	9.6	117.736	120.221	238.036
18	29.9	147.732	150.223	298.064	18	21.1	120.200	117.739	238.021
18	42.2	150.208	147.724	298.049	18	54.9	117.718	120.219	238.035
19	18.8	147.720	150.234	298.102	19	4.7	120.206	117.708	238.018
in									
Bar. 30.30.				Ther. 49.3.				Run + 2.1.	

ε Indi.

1881, September 13.

β					α				
h	m	r	r	R	h	m	r	r	R
22	30.1	101.401	103.895	205.356	22	47.8	84.061	81.598	165.710
23	12.0	103.907	101.422	205.391	22	59.8	81.586	84.052	165.689
23	24.3	101.384	103.891	205.338	23	41.4	84.051	81.586	165.693
0	5.5	103.899	101.430	205.400	23	55.0	81.596	84.057	165.712
in									
Bar. 30.35.					Ther. 45.2.				
					Run + 5.1.				

Lacaille 9352.

1881, September 14.

α				β			
h	m	r	R	h	m	r	R
1	48.2	266.384	263.866	1	52.2	170.044	172.533
2	23.9	263.860	266.325	2	7.4	172.531	170.040
2	36.3	266.325	263.862	2	49.1	170.055	172.518
3	17.2	263.837	266.320	3	1.7	172.536	170.016
in							
Bar. 30.44.				Ther. 49.0.			
				Run + 5.9.			

Sirius.

1881, September 14.

α				β			
h	m	r	R	h	m	r	R
3	46.3	144.393	141.891	3	57.6	139.728	142.233
4	22.9	141.896	144.388	4	9.8	142.222	139.743
4	32.4	144.380	141.920	4	45.6	139.735	142.232
5	9.2	141.888	144.378	4	58.6	142.223	139.742
in							
Bar. 30.39.				Ther. 49.5.			
				Run + 2.4.			

 α_2 Centauri.

1881, September 20.

β					α				
h	m	r	r	R	h	m	r	r	R
18	26.6	117.766	120.185	238.034	18	37.4	150.188	147.719	298.019
19	2.6	120.179	117.726	238.006	18	51.1	147.740	150.186	298.047
19	12.8	117.736	120.194	238.038	19	22.4	150.168	147.695	298.013
19	44.9	120.183	117.736	238.056	19	34.9	147.715	150.153	298.033
in									
Bar. 30.32.					Ther. 58.0.				
					Run + 4.1.				

 ϵ Indi.

1881, September 20.

α				β			
h	m	r	R	h	m	r	R
20	16.2	81.607	84.063	20	29.2	103.855	101.427
20	56.4	84.082	81.627	20	43.6	101.417	103.843
21	7.3	81.604	84.061	21	19.8	103.880	101.425
21	41.0	84.055	81.635	21	32.4	101.424	103.868
in							
Bar. 30.33.				Ther. 56.0.			
				Run + 5.0.			

Sirius.

1881, September 20.

β				α					
h	m	r	R	h	m	r	R		
3	1.6	142.230	139.718	282.028	3	9.9	141.890	144.386	286.369
3	30.7	139.709	142.247	282.036	3	19.6	144.413	141.867	286.371
3	40.8	142.247	139.710	282.037	3	49.7	141.867	144.420	286.384
4	8.8	139.713	142.245	282.037	3	59.0	144.394	141.874	286.363
in									
Bar. 30.32.				Ther. 54.7.					

ε Indi.

1881, September 21.

β				α			
h	m	r	R	h	m	r	R
23	8.7	101.385	103.909	23	20.3	84.106	81.585
23	46.3	103.913	101.392	23	34.0	81.570	84.087
23	58.2	101.380	103.927	0	10.5	84.113	81.601
0	36.6	103.914	101.392	0	23.2	81.577	84.077
in							
Bar. 30.29.				Ther. 58.0.			
				Run + 4.0.			

 α₂ Centauri.

1881, September 23.

α				β			
h	m	r	R	h	m	r	R
18	51.5	147.663	150.227	19	8.5	120.210	117.703
19	40.6	150.203	147.649	19	26.5	117.706	120.182
in							
Bar. 30.27.				Ther. 59.0.			
				Run + 4.8.			

Sirius.

1881, September 23.

α				β			
h	m	r	R	h	m	r	R
3	47.7	141.869	144.375	3	56.5	142.249	139.728
4	16.4	144.391	141.871	4	6.5	139.708	142.231
4	44.7	141.885	144.415	4	35.0	142.256	139.699
5	1.0	144.395	141.900	4	49.9	139.724	142.204
in							
Bar. 30.24.				Ther. 57.5.			
				Run + 1.7.			

ε Indi.

1881, September 24.

α				β			
h	m	r	R	h	m	r	R
23	56.0	81.632	84.086	0	7.4	103.924	101.440
0	35.8	84.074	81.603	0	21.2	101.447	103.896
0	45.1	81.612	84.042	0	55.4	103.900	101.402
1	23.7	84.093	81.585	1	9.4	101.415	103.880
in							
Bar. 30.20.				Ther. 56.7.			
				Run + 4.0.			

 α₂ Centauri.

1881, September 26.

α				β			
h	m	r	R	h	m	r	R
19	1.2	147.716	150.199	19	8.4	120.190	117.711
19	29.9	150.215	147.721	19	28.9	117.730	120.197
19	38.5	147.704	150.164	19	47.8	120.194	117.713
20	6.3	150.151	147.713	20	8.5	117.699	120.182
in							
Bar. 30.13.				Ther. 53.2.			
				Run + 4.9.			

Sirius.

1881, September 27.

β					α				
h	m	r	r	R	h	m	r	R	
3	16.5	139.749	142.221	282.049	3	26.8	144.382	141.906	286.376
3	49.2	142.260	139.733	282.072	3	37.7	141.905	144.404	286.396
4	2.8	139.722	142.234	282.034	4	16.3	144.412	141.907	286.402
4	41.1	142.240	139.745	282.064	4	27.9	141.909	144.404	286.394

Bar. 30.10.

Ther. 57.7.

Run + 3.2.

Sirius.

1881, September 30.

α				β				
h	m	r	R	h	m	r	R	
3	48.0	144.403	141.886	3	59.2	139.742	142.212	282.033
4	28.6	141.847	144.398	4	12.1	142.209	139.722	282.010

Bar. 30.10.

Ther. 54.0.

Run + 3.1.

 α_2 Centauri.

1881, October 4.

β					α				
h	m	r	r	R	h	m	r	r	R
19	25.4	117.697	120.186	237.998	19	34.5	150.159	147.700	298.021
20	1.3	120.173	117.700	238.029	19	55.6	147.695	150.171	298.042
20	10.6	117.669	120.151	237.989	20	21.5	150.163	147.676	298.084
20	42.1	120.101	117.656	237.985	20	31.1	147.627	150.119	298.014

Bar. 30.07.

Ther. 61.3.

Run + 3.4.

Sirius.

1881, October 4.

β					α				
h	m	r	r	R	h	m	r	R	
4	1.2	142.240	139.721	282.039	4	9.8	141.876	144.384	286.344
4	41.0	139.745	142.227	282.051	4	22.8	144.388	141.889	286.360
4	50.0	142.233	139.731	282.043	5	0.6	141.887	144.397	286.364
5	26.6	142.250	139.757	282.077	5	12.8	141.908	144.400	286.388

Bar. 30.03.

Ther. 55.0.

Run + 2.9.

 α_2 Centauri.

1881, October 6.

α					β				
h	m	r	r	R	h	m	r	r	R
21	4.9	147.583	150.110	298.080	21	15.1	120.109	117.618	238.050
21	37.4	150.025	147.519	298.097	21	27.0	117.603	120.078	238.048
21	45.5	147.495	149.930	298.033	21	52.4	119.975	117.526	237.986
22	22.5	149.802	147.290	298.029	22	7.0	117.472	119.951	237.993

Lacaille 9352.

1881, October 6.

δ				α					
h	m	r	R	h	m	r	R		
1	22.9	170.010	172.550	342.668	1	50.1	266.409	263.901	530.515
2	23.9	172.533	170.034	342.709	2	11.0	263.845	266.367	530.432

 α_2 Centauri.

1881, October 7.

β				α					
h	m	r	R	h	m	r	R		
19	39.1	117.683	120.190	238.004	19	49.1	150.165	147.674	298.023
20	8.3	120.187	117.691	238.045	19	59.0	147.691	150.158	298.050
20	15.7	117.687	120.166	238.032	20	22.6	150.143	147.679	298.072
20	43.2	120.154	117.652	238.039	20	34.6	147.642	150.114	298.038

 in
Bar. 30.25.

Ther. 58.0.

Run + 3.0.

Sirius.

1881, October 8.

β					α				
h	m	r	r	R	h	m	r	r	R
4	48.1	139.753	142.247	282.080	5	1.4	144.422	141.915	286.419
5	34.1	142.232	139.732	282.046	5	18.4	141.928	144.408	286.418
5	44.1	139.738	142.239	282.059	5	54.9	144.401	141.891	286.375
6	11.9	142.240	139.763	282.086	6	4.2	141.931	144.406	286.420

 in
Bar. 30.17.

Ther. 50.5.

Run + 3.0.

 ϵ Indi.

1881, October 10.

β					α				
h	m	r	r	R	h	m	r	r	R
0	20.3	101.389	103.890	205.353	0	33.8	84.097	81.602	165.767
0	52.4	103.906	101.397	205.386	0	43.8	81.595	84.072	165.738
0	59.2	101.393	103.860	205.338	1	7.4	84.078	81.580	165.736
1	25.5	103.887	101.378	205.362	1	16.4	81.580	84.069	165.731

 in
Bar. 30.32.

Ther. 49.7.

Run + 4.1.

 α_2 Centauri.

1881, October 12.

α					β				
h	m	r	r	R	h	m	r	R	
20	6.9	150.155	147.671	298.041	20	16.4	117.678	120.164	238.022
20	38.1	147.640	150.070	298.001	20	27.1	120.139	117.691	238.029
20	49.6	150.086	147.608	298.021	21	4.0	117.681	120.112	238.080
21	22.7	147.592	150.024	298.084	21	14.5	120.102	117.626	238.048

 in
Bar. 30.25.

Ther. 59.3.

Run + 2.7.

ε Indi.

1881, October 12.

α					β				
h	m	r	r	R	h	m	r	R	
23	27.6	84.082	81.626	165.761	23	38.7	101.420	103.883	205.368
23	59.4	81.629	84.088	165.778	23	51.1	103.898	101.423	205.387
0	7.8	84.054	81.621	165.735	0	17.0	101.413	103.858	205.343
0	39.5	81.608	84.078	165.754	0	28.6	103.886	101.404	205.364

in
Bar. 30.25. Ther. 57.2. Run + 3.6. Images 1-2. Steadiness 1-2.

ε Indi.

1881, October 13.

β				α					
h	m	r	R	h	m	r	R		
0	57.9	101.413	103.868	205.362	1	9.2	84.043	81.625	165.744
1	39.2	103.859	101.404	205.364	1	24.8	81.619	84.055	165.756
1	54.4	101.395	103.868	205.374	2	10.4	84.033	81.625	165.761
2	34.1	103.850	101.385	205.377	2	22.0	81.591	84.012	165.714

in
Bar. 30.12. Ther. 64.7. Run + 4.5.

Lacaille 9352.

1881, October 16.

β					α				
h	m	r	r	R	h	m	r	r	R
1	0.2	172.511	170.076	342.698	1	10.1	263.960	266.394	530.533
1	38.2	170.088	172.531	342.739	1	24.6	266.395	263.964	530.545
1	49.0	172.528	170.036	342.688	2	0.5	263.917	266.401	530.527
2	19.8	170.061	172.498	342.697	2	11.3	266.366	263.921	530.503

in
Bar. 30.09. Ther. 59.2. Run + 3.3.

Sirius.

1881, October 16.

α					β				
h	m	r	r	R	h	m	r	R	
2	44.1	144.351	141.953	286.400	2	54.6	139.762	142.180	282.021
3	16.1	141.906	144.382	286.377	3	6.0	142.201	139.736	282.016
3	23.9	144.363	141.912	286.363	3	34.2	139.738	142.205	282.022
3	55.8	141.916	144.345	286.346	3	45.0	142.190	139.765	282.034

in
Bar. 30.07. Ther. 59.2. Run + 3.2.

Sirius.

1881, October 19.

β					α				
h	m	r	r	R	h	m	r	r	R
4	4.5	142.191	139.769	282.038	4	13.1	141.925	144.371	286.379
4	32.7	139.748	142.196	282.023	4	22.7	144.375	141.937	286.394
4	46.1	142.200	139.771	282.050	4	57.2	141.920	144.375	286.375
5	14.4	139.749	142.207	282.035	5	5.3	144.375	141.935	286.390

in
Bar. 30.21. Ther. 60.5. Run + 2.3. Images 1-2. Steadiness 1-2.

α_2 Centauri.

1881, October 28.

β				α			
h	m	r	R	h	m	r	R
21	13.0	120.078	117.589	21	22.2	147.548	149.987
21	44.0	117.526	120.010	21	31.4	149.984	147.503
21	53.7	119.994	117.513	22	3.9	147.461	149.837
22	24.7	117.405	119.914	22	13.4	149.813	147.357

 in
Bar. 30.00.

Ther. 54.3.

Run + 2.2.

 ϵ Indi.

1881, October 28.

α				β			
h	m	r	R	h	m	r	R
0	2.8	81.616	84.070	0	10.7	103.885	101.399
0	32.6	84.100	81.617	0	20.6	101.406	103.872
0	42.3	81.617	84.095	0	53.3	103.884	101.398
1	13.5	84.081	81.605	1	5.1	101.398	103.858

 in
Bar. 29.98.

Ther. 49.2.

Run + 4.2.

Images 1.

Steadiness 1.

Sirius.

1881, October 28.

α				β			
h	m	r	R	h	m	r	R
4	55.1	144.397	141.905	5	6.7	139.725	142.220
5	33.7	141.920	144.380	5	20.0	142.206	139.743
5	43.9	144.378	141.890	5	54.4	139.733	142.211
6	21.0	141.914	144.379	6	8.1	142.216	139.749

 in
Bar. 29.87.

Ther. 47.3.

Run + 3.3.

Images 1-2.

Steadiness 2.

 ϵ Indi.

1881, October 31.

α				β			
h	m	r	R	h	m	r	R
23	55.8	81.607	84.075	0	6.3	103.890	101.415
0	23.8	84.092	81.615	0	13.7	101.379	103.876
0	32.7	81.599	84.070	0	42.7	103.875	101.395
1	7.5	84.078	81.612	0	52.5	101.380	103.860

 in
Bar. 30.41.

Ther. 51.7.

Run + 4.9.

Images 2-3.

Steadiness 2-3.

Lacaille 9352.

1881, October 31.

α				β			
h	m	r	R	h	m	r	R
3	2.6	263.880	266.341	3	10.6	172.494	169.991
3	30.4	266.321	263.820	3	19.8	170.032	172.463

 in
Bar. 30.37.

Ther. 50.0.

Run + 4.9.

Images 3.

Steadiness 3.

Lacaille 9352.

1881, November 3.

α				β			
h	m	r	R	h	m	r	R
1	33.7	263.906	266.407	1	42.1	172.495	170.044
2	1.6	266.397	263.904	1	52.3	170.026	172.525
2	11.4	263.878	266.443	2	21.4	172.529	170.046
2	37.6	266.420	263.893	2	30.3	170.018	172.490
in							
Bar. 30.10.		Ther. 59.5.		Run + 4.4.		Images 2.	
						Steadiness 2.	

Sirius.

1881, November 3.

β				α					
h	m	r	R	h	m	r	R		
2	54.3	139.713	142.212	282.004	3	4.0	144.396	141.898	286.386
3	21.2	142.229	137.707	282.015	3	12.5	141.901	144.419	286.411
3	29.1	139.726	142.210	282.015	3	37.4	144.407	141.912	286.406
3	56.4	142.214	139.727	282.020	3	46.9	141.903	144.378	286.367
in									
Bar. 30.10.		Ther. 59.5.		Run + 2.7.					

Lacaille 9352.

1881, November 5.

β				α			
h	m	r	R	h	m	r	R
1	46.9	172.505	170.010	1	55.8	263.904	266.383
2	20.8	170.019	172.468	2	11.6	266.360	263.890
2	29.2	172.490	170.025	2	42.7	263.886	266.380
3	1.2	169.990	172.466	2	53.1	266.400	263.893
in							
Bar. 30.02.		Ther. 60.0.		Run + 4.8.			

Sirius.

1881, November 5.

α				β					
h	m	r	R	h	m	r	R		
3	18.2	144.395	141.888	286.372	3	26.2	139.724	142.208	282.011
3	44.0	141.916	144.390	286.391	3	35.4	142.198	139.744	282.021
3	52.1	144.396	141.933	286.413	4	0.3	139.755	142.198	282.031
4	20.8	141.866	144.393	286.341	4	11.0	142.232	139.725	282.035
in									
Bar. 30.02.				Ther. 58.8.				Run + 2.6.	

ε Indi.

1881, November 10.

α				β			
h	m	r	R	h	m	r	R
23	34.3	84.115	81.620	23	43.7	101.415	103.895
0	4.6	81.623	84.086	23	55.1	103.866	101.399
0	11.7	84.102	81.621	0	22.4	101.405	103.875
0	46.5	81.635	84.074	0	34.2	103.892	101.398
in							
Bar. 30.03.		Ther. 51.3.		Run + 3.0.			

Sirius.

1881, November 13.

β					α				
h	m	r	r	R	h	m	r	r	R
2	41.2	142.215	139.725	282.021	2	49.3	141.907	144.373	286.379
3	10.4	139.755	142.212	282.048	3	0.6	144.385	141.900	286.382
3	24.4	142.219	139.740	282.040	3	36.1	141.909	144.391	286.389
3	56.0	139.738	142.220	282.039	3	46.3	144.375	141.904	286.367
in									
Bar. 30.21.					Ther. 46.0.				
					Run + 2.6.				

€ Indi.

1881, November 14.

β					α				
h	m	r	r	R	h	m	r	r	R
0	36.2	101.362	103.838	205.276	0	46.8	84.093	81.602	165.766
1	7.9	103.865	101.399	205.351	1	0.2	81.584	84.083	165.741
1	15.7	101.386	103.858	205.335	1	25.9	84.084	81.612	165.781
1	46.2	103.868	101.398	205.373	1	37.1	81.598	84.064	165.751
in									
Bar. 30.07.					Ther. 54.7.				
					Run + 3.7.				

Sirius.

1881, November 18.

α				β					
h	m	r	R	h	m	r	R		
3	29.4	141.910	144.395	286.394	3	37.9	142.215	139.733	282.028
3	58.6	144.413	141.917	286.415	3	48.0	139.759	142.217	282.056
4	10.2	141.917	144.385	286.387	4	19.7	142.213	139.751	282.043
4	38.0	144.400	141.902	286.385	4	29.0	139.741	142.210	282.031
in									
Bar. 30.28.				Ther. 51.8.				Run + 1.9.	

Lacaille 9352.

1881, November 19.

α				β					
h	m	r	R	h	m	r	R		
1	52.7	263.926	266.412	530.541	2	0.5	172.495	169.998	342.623
2	17.4	266.385	263.912	530.518	2	9.2	170.011	172.479	342.624
2	25.8	263.902	266.384	530.515	2	33.5	172.471	170.012	342.629
2	57.4	266.381	263.883	530.527	2	43.1	169.996	172.453	342.601
in									
Bar. 30.02.				Ther. 56.8.				Run + 3.4.	

€ Indi.

1881, November 20.

β				α			
h	m	r	R	h	m	r	R
0	20.7	103.874	101.375	0	34.7	81.593	84.078
0	56.6	101.375	103.865	0	46.2	84.098	81.591
1	9.4	103.847	101.357	1	18.9	81.598	84.066
1	42.7	101.364	103.850	1	28.9	84.058	81.619
in							
Bar. 29.85.				Ther. 59.0.			
				Run + 3.6.			

Lacaille 9352.

1881, November 20.

β				α			
h	m	r	R	h	m	r	R
3	21.9	172.502	169.965	3	32.3	263.850	266.340
3	52.6	169.967	172.475	3	42.0	266.354	263.854
4	1.2	172.457	169.943	4	9.7	263.783	266.331
			342.628	4	22.3	266.291	263.796
in							
Bar. 29.85.				Ther. 55.8.			
				Run + 4.2.			

€ Indi.

1881, November 24.

α				β			
h	m	r	R	h	m	r	R
0	52.0	84.069	81.617	1	2.4	101.402	103.863
1	24.6	81.596	84.073	1	15.0	103.863	101.382
1	36.0	84.076	81.601	1	46.1	101.366	103.859
2	9.1	81.624	84.077	1	58.6	103.837	101.372
			165.758				205.349
			165.754				205.335
			165.766				205.332
			165.805				205.323
in							
Bar. 30.19.				Ther. 58.4.			
				Run + 2.9.			

Sirius.

1881, November 24.

β				α			
h	m	r	R	h	m	r	R
2	23.3	142.230	139.717	2	32.2	141.900	144.379
2	51.3	139.726	142.209	2	41.9	144.376	141.907
3	4.0	142.236	139.743	3	14.4	141.907	144.386
3	34.8	139.724	142.228	3	24.7	144.391	141.908
			282.026				286.378
			282.013				286.381
			282.057				286.383
			282.030				286.386
in							
Bar. 30.00.				Ther. 61.7.			
				Run + 2.1.			

Lacaille 9352.

1881, November 26.

α				β			
h	m	r	R	h	m	r	R
1	23.1	266.441	263.939	1	35.6	169.987	172.496
1	55.1	263.923	266.409	1	45.9	172.510	170.024
2	5.1	266.409	263.925	2	13.9	170.005	172.492
			530.565	2	24.4	172.513	169.998
			530.536				342.602
			530.544				342.657
							342.632
							342.651
in							
Bar. 29.85.				Ther. 56.0.			
				Run + 5.4.			

Sirius.

1881, November 28.

α				β			
h	m	r	R	h	m	r	R
4	6.3	144.430	141.933	4	14.5	139.761	142.254
4	33.2	141.920	144.420	4	23.8	142.254	139.757
4	47.3	144.417	141.922	4	56.1	139.741	142.235
5	20.9	141.934	144.431	5	7.8	142.249	139.760
			286.447				282.092
			286.422				282.089
			286.421				282.055
			286.445				282.088
in							
Bar. 30.10.				Ther. 55.7.			
				Run + 1.6.			

Lacaille 9352.

1881, November 29.

β					α				
h	m	r	r	R	h	m	r	R	
2	3 ⁷	170 ⁰ 040	172 ⁵ 511	342 ⁶ 682	2	11 ⁵	266 ⁷ 470	263 ⁹ 979	530 ⁶ 666
2	33 ⁸	172 ⁵ 522	170 ⁰ 015	342 ⁶ 683	2	24 ⁶	263 ⁹ 957	266 ⁷ 460	530 ⁶ 644
2	45 ⁵	170 ⁰ 027	172 ⁵ 514	342 ⁶ 695	2	56 ⁶	266 ⁷ 460	263 ⁹ 924	530 ⁶ 646
3	20 ⁴	172 ⁵ 504	169 ⁹ 994	342 ⁶ 680	3	9 ⁸	263 ⁹ 908	266 ⁷ 429	530 ⁶ 616

Bar. 29⁹98. Ther. 55⁰3. Run + 4¹1. Images 2. Steadiness 2.

€ Indi.

1881, December 1.

α					β				
h	m	r	r	R	h	m	r	R	
1	35 ⁰	81 ¹ 632	84 ¹ 102	165 ⁸ 823	1	49 ⁶	103 ⁸ 888	101 ³ 373	205 ³ 371
2	9 ⁹	84 ¹ 104	81 ¹ 611	165 ⁸ 821	1	59 ⁸	101 ³ 372	103 ⁸ 860	205 ³ 349
2	18 ⁹	81 ¹ 630	84 ¹ 064	165 ⁸ 805	2	27 ⁵	103 ⁸ 867	101 ³ 342	205 ³ 347
2	44 ⁴	84 ¹ 066	81 ¹ 594	165 ⁸ 788	2	36 ⁸	101 ³ 354	103 ⁸ 840	205 ³ 341

Bar. 30²25. Ther. 53⁰8. Run + 4³3.

 α₂ Centauri.

1881, December 1.

α				β					
h	m	r	R	h	m	r	R		
7	48 ⁶	150 ⁰ 205	147 ⁷ 730	298 ⁰ 030	8	0 ⁹	117 ⁷ 742	120 ² 203	238 ⁰ 026
8	25 ⁴	147 ⁷ 747	150 ⁰ 181	298 ⁰ 037	8	14 ¹	120 ² 181	117 ⁷ 740	238 ⁰ 006

Lacaille 9352.

1881, December 8.

β					α				
h	m	r	r	R	h	m	r	R	
1	35 ³	170 ⁰ 046	172 ⁵ 458	342 ⁶ 624	1	56 ⁰	266 ⁷ 382	263 ⁹ 977	530 ⁶ 566
2	21 ⁰	172 ⁵ 452	170 ⁰ 025	342 ⁶ 617	2	9 ⁰	263 ⁹ 985	266 ⁷ 379	530 ⁶ 580
2	28 ⁹	170 ⁰ 017	172 ⁵ 437	342 ⁶ 598	2	39 ⁴	266 ⁷ 387	263 ⁹ 975	530 ⁶ 605
3	1 ⁶	172 ⁵ 461	170 ⁰ 018	342 ⁶ 645	2	50 ⁷	263 ⁹ 967	266 ⁷ 363	530 ⁶ 586

Bar. 30¹16. Ther. 56⁰0. Run + 3¹1.

Sirius.

1881, December 8.

β					α				
h	m	r	r	R	h	m	r	R	
3	26 ¹ 0	139 ⁷ 797	142 ¹ 176	282 ⁰ 053	3	38 ²	144 ¹ 369	141 ¹ 960	286 ¹ 416
3	56 ⁰	142 ¹ 177	139 ⁷ 767	282 ⁰ 024	3	47 ⁶	141 ¹ 955	144 ¹ 346	286 ¹ 387
4	2 ⁷	139 ⁷ 771	142 ¹ 180	282 ⁰ 030	4	13 ⁴	144 ¹ 375	141 ¹ 961	286 ¹ 420
					4	22 ⁴	141 ¹ 957	144 ¹ 356	286 ¹ 376

Bar. 30¹17. Ther. 54⁰0. Run + 2⁴4.

Sirius.

1881, December 9.

α				β			
h	m	r	R	h	m	r	R
4	16.4	144.367	141.942	4	26.3	139.769	142.180
4	44.7	141.959	144.346	4	36.4	142.198	139.789
4	53.1	144.371	141.980	5	7.9	139.792	142.208
5	30.5	141.955	144.388	5	18.8	142.231	139.820
in							
Bar. 30°09.				Ther. 60°5.		Run + 1'4.	

Lacaille 9352.

1881, December 10.

α					β				
h	m	r	r	R	h	m	r	r	R
3	26.7	266.394	263.956	530.650	3	35.0	169.957	172.433	342.585
3	56.9	263.905	266.302	530.566	3	47.2	172.432	170.019	342.659
4	8.0	266.284	263.858	530.526	4	16.0	170.003	172.417	342.671
4	38.3	263.854	266.238	530.580	4	25.5	172.413	169.961	342.641
in									
Bar. 30°.04.					Ther. 61°.8.		Run + 4'.4.		

 α_2 Centauri.

1881, December 10.

β					α				
h	m	r	r	R	h	m	r	r	R
8	37.7	117.753	120.163	238.005	8	44.7	150.169	147.762	298.043
9	11.8	120.162	117.762	238.020	8	55.7	147.779	150.153	298.046
9	18.1	117.742	120.133	237.973	9	27.0	150.146	147.770	298.037
in									
Bar. 30°02.					Ther. 60°5.		Run + 2'8.		

Sirius.

1881, December 11.

α				β					
h	m	r	R	h	m	r	R		
3	17.3	144.394	141.969	286.452	3	27.3	139.791	142.199	282.068
3	45.8	141.966	144.365	286.416	3	36.8	142.215	139.777	282.070
3	53.5	144.370	141.983	286.437	4	1.4	139.796	142.187	282.060
4	18.7	141.970	144.404	286.456	4	10.4	142.189	139.792	282.058
in									
Bar. 30°13.				Ther. 62°0.		Run + 3'1.			

Lacaille 9352.

1881, December 13.

β				α					
h	m	r	R	h	m	r	R		
2	31.9	170.021	172.447	342.612	2	42.2	266.370	264.005	530.617
3	2.1	172.447	170.036	342.648	2	53.2	264.010	266.380	530.644
3	9.8	170.034	172.420	342.625	3	19.1	266.398	263.971	530.656
3	40.2	172.437	170.037	342.674	3	29.8	263.941	266.353	530.597
in									
Bar. 30°00.				Ther. 62°0.		Run + 5°0.			

Sirius.

1881, December 16.

β				α					
h	m	r	R	h	m	r	R		
3	14.1	139.812	142.179	282.069	3	25.8	144.346	141.988	286.421
3	45.2	142.203	139.786	282.067	3	36.2	141.965	144.348	286.399
3	53.3	139.793	142.186	282.057	4	2.1	144.368	141.975	286.425
4	28.2	142.182	139.802	282.062	4	16.4	141.979	144.387	286.447
in									
Bar. 29.89.				Ther. 59.8.				Run + 2.7.	

ε Indi.

1881, December 18.

β					α				
h	m	r	R		h	m	r	R	
2	17.9	103.759	101.392	205.280	2	27.6	81.666	84.026	
2	51.2	101.394	103.766	205.321	2	38.6	84.025	81.657	
in									
Bar. 30.23.					Ther. 59.0.				
					Run + 5.3.				

 α₂ Centauri.

1881, December 18.

α				β					
h	m	r	R	h	m	r	R		
8	28.4	150.172	147.742	298.023	8	38.0	117.743	120.166	237.999
9	0.5	147.762	150.170	298.049	8	48.8	120.154	117.762	238.008
9	9.6	150.176	147.750	298.045	9	20.1	117.744	120.169	238.011
9	39.9	147.747	150.171	298.041	9	30.3	120.170	117.739	238.009
in									
Bar. 30.15.				Ther. 57.6.				Run + 1.1.	

Sirius.

1881, December 23.

α				β					
h	m	r	R	h	m	r	R		
3	33.7	144.404	141.913	286.404	3	43.2	139.735	142.229	282.042
4	0.9	141.941	144.426	286.451	3	52.8	142.241	139.738	282.059
in									
Bar. 30.14.				Ther. 64.0.				Run + 2.0. Images 2. Steadiness 2.	

ε Indi.

1881, December 24.

α				β					
h	m	r	R	h	m	r	R		
2	30.7	84.092	81.607	165.815	2	40.5	101.364	103.821	205.331
3	5.9	81.603	84.058	165.802	2	54.9	103.824	101.301	205.286
3	14.5	84.036	81.639	165.823	3	26.6	101.300	103.715	205.215
3	46.4	81.573	84.050	165.802	3	36.1	103.753	101.277	205.246
in									
Bar. 30.04.				Ther. 64.5.				Run + 3.7.	

ε Indi.

1881, December 25.

β			α		
h	m	R	h	m	R
2	50.4	101.316	2	58.3	84.072
3	14.0	103.798	3	6.5	81.615
3	21.1	101.306	3	30.3	84.074
3	50.9	103.745	3	42.9	81.564
		103.774			81.596
		205.247			165.804
		205.302			165.824
		205.304			165.810
		205.274			165.778
Bar. 30.12.			Ther. 59.0.		
			Run + 3.9.		

α₂ Centauri.

1881, December 25.

β			α		
h	m	R	h	m	R
8	43.4	120.168	8	54.2	147.726
9	22.7	117.689	9	13.9	150.182
9	31.1	120.170	9	40.9	147.727
9	59.1	117.797	9	50.6	150.173
		120.179			147.715
		237.963			298.029
		237.981			298.007
		237.979			298.045
		237.987			298.011
Bar. 30.06.			Ther. 59.5.		
			Run + 1.5.		

α₂ Centauri.

1881, December 26.

α			β		
h	m	R	h	m	R
9	11.0	147.749	9	21.3	120.182
9	41.8	150.173	9	31.7	117.706
9	54.3	147.717	10	7.3	120.187
10	27.0	150.204	10	17.6	117.713
		147.711			120.179
		298.047			237.999
		298.031			237.986
		298.011			237.994
		298.040			237.993
Bar. 30.00.			Ther. 57.0.		
			Run + 0.4.		

ε Indi.

1881, December 27.

α			β		
h	m	R	h	m	R
2	53.7	84.069	3	2.3	101.325
3	25.3	81.602	3	12.9	103.768
3	37.4	84.052	3	49.6	101.274
4	8.8	81.530	3	58.6	103.758
		84.013			101.298
		165.774			103.730
		165.792			205.243
		165.758			205.327
Bar. 30.17.			Ther. 63.7.		
			Run + 2.0.		

Sirius.

1881, December 29.

β			α		
h	m	R	h	m	R
3	43.8	142.214	3	52.0	141.933
4	18.3	139.761	4	6.3	144.364
4	28.6	142.221	4	38.1	141.917
5	4.9	139.794	4	51.0	144.375
		142.205			141.951
		282.064			286.377
		282.037			286.388
		282.069			286.399
		282.077			286.406
Bar. 30.14.			Ther. 66.3.		
			Run + 1.3.		

α_2 Eridani.

1882, January 4.

α				β					
h	m	r	R	h	m	r	R		
5	46.3	244.802	242.379	487.316	6	3.3	251.314	253.744	505.198
6	29.4	242.374	244.780	487.288	6	19.4	253.774	251.332	505.245
6	39.4	244.817	242.377	487.328	6	53.8	251.310	253.752	505.201
7	16.0	242.371	244.779	487.285	7	5.5	253.758	251.354	505.251
in				°					
Bar. 30.08.				Ther. 63.3.				Run + 2.8.	

Bar. 30.08.

Ther. 63.3.

Run + 2.8.

Sirius.

1882, January 7.

α				β				
h	m	r	R	h	m	r	R	
3	28.5	141.944	144.363	3	36.9	142.190	139.787	
3	56.1	144.377	141.956	3	45.7	139.773	142.190	
4	3.0	141.943	144.365	4	13.1	142.209	139.751	
4	34.5	144.373	141.945	4	23.1	139.780	142.205	
<div>in</div> Bar. 30° 17.				<div>Ther. 60° 8.</div>				<div>Run + 1.2.</div>

Bar. 30.17.

Ther. 60.8.

Run + 1.2.

 α_2 Eridani.

1882, January 7.

β				α					
h	m	r	R	h	m	r	R		
6	52.4	251.324	253.739	505.204	7	5.0	244.802	242.358	487.295
7	29.8	253.752	251.211	505.106	7	17.5	242.377	244.785	487.298
7	39.1	251.204	253.853	505.201	7	52.9	244.892	242.290	487.324
8	19.4	253.867	251.192	505.211	8	7.8	242.260	244.906	487.311
in									
Bar. 30.15.				Ther. 60.0.				Run + 3.2.	

Bar. 30.15.

Ther. 60.0.

Run + 3.2.

 α_2 Centauri.

1882, January 7.

β				α					
h	m	r	R	h	m	r	R		
8	38.5	120.280	117.621	237.990	8	46.4	147.628	150.265	298.006
9	2.8	117.624	120.241	237.960	8	55.0	150.264	147.637	298.016
9	9.5	120.249	117.638	237.983	9	18.6	147.635	150.257	298.012
9	36.2	117.625	120.254	237.978	9	27.7	150.293	147.631	298.045
in									
Bar. 30.11.				Ther. 60.0.		Run + 1.6.			

Bar. 30.11.

Ther. 60.0.

Run + 1.6.

 ϵ Indi.

1882, January 8.

β				α					
h	m	r	R	h	m	r	R		
3	31.0	101.226	103.846	205.279	3	39.0	84.133	81.509	165.814
3	59.4	103.787	101.219	205.259	3	49.1	81.494	84.092	165.769
4	6.7	101.206	103.777	205.254	4	18.1	84.097	81.482	165.798
4	36.0	103.762	101.150	205.255	4	26.5	81.505	84.094	165.830
in									
Bar. 29.06.				Ther. 61.8.				Run + 3.1.	

Bar. 29.96.

Ther. 61.8.

Run + 3.1.

Sirius.

1882, January 10.

β				α					
h	m	r	R	h	m	r	R		
3	22.6	142.272	139.705	282.056	3	31.0	141.854	144.415	286.356
3	45.4	139.704	142.253	282.036	3	38.6	144.431	141.871	286.388
3	52.2	142.256	139.707	282.042	4	3.1	141.881	144.427	286.392
4	20.2	139.696	142.252	282.026	4	12.3	144.439	141.862	286.384
in									
Bar. 30.23.				Ther. 61.0.					
				Run + 3.1.					

 α_2 Eridani.

1882, January 10.

α				β					
h	m	r	R	h	m	r	R		
6	37.2	242.292	244.821	487.249	6	45.1	253.807	251.245	505.193
7	2.8	244.855	242.262	487.253	6	53.0	251.251	253.792	505.184
7	11.3	242.285	244.826	487.247	7	19.9	253.798	251.237	505.177
7	44.9	244.819	242.307	487.266	7	29.6	251.246	253.801	505.188
in									
Bar. 30.22.				Ther. 60.5.				Run + 2.9.	

 ϵ Indi.

1882, January 11.

α				β			
h	m	r	R	h	m	r	R
3	48.5	81.584	84.067	3	56.7	103.770	101.269
4	21.1	84.043	81.533	4	10.6	101.210	103.705
4	30.3	81.588	84.041	4	22.2	103.735	101.220
5	1.2	84.011	81.486	4	52.7	101.167	103.686
in							
Bar. 30.13.				Ther. 63.3.			
				Run + 3.1.			

 α^2 Centauri.

1882, January 11.

α				β				
h	m	r	R	h	m	r	R	
9	54.4	150.188	147.680	10	4.0	117.684	120.176	237.960
10	20.6	147.670	150.199	10	13.1	120.194	117.666	237.960
10	28.7	150.219	147.676	10	37.2	117.660	120.177	237.938
10	56.7	147.669	150.185	10	48.4	120.187	117.689	237.976
in								
Bar. 30.04.				Ther. 63.0.				
				Run + 1.5.				

 β Centauri.

1882, January 11.

γ				
h	m	r	r	R
11	9.5	38.186	35.678	73.897
11	19.3	35.688	38.189	73.908
in				
Bar. 30.03.		Ther. 62.5.		Run + 1.3.

α_2 Centauri.

1882, January 13.

α			β		
h	m	R	h	m	R
10	9.7	234.665	10	23.7	210.889
10	48.7	232.224	10	36.2	213.407
10	57.5	234.714	11	9.5	210.910
11	32.6	232.197	11	22.0	213.416
		234.691			210.927
		467.144			424.536
		467.153			424.543
		467.172			424.508
		467.088			424.541
Bar. 30.12.			Ther. 60.5.		
			Run + 2.1.		

 α_2 Centauri.

1882, January 18.

β			α		
h	m	R	h	m	R
10	16.1	117.691	10	26.7	150.201
10	45.3	120.161	10	36.8	147.702
10	53.1	117.717	11	2.7	150.184
11	20.8	120.188	11	13.6	147.703
		117.709			150.182
		237.951			298.031
		237.963			298.019
		237.986			298.023
		237.997			298.008
Bar. 30.10.			Ther. 62.0.		
			Run + 2.5.		

 β Centauri.

1882, January 18.

γ		
h	m	R
11	31.1	35.714
11	41.8	38.186
		38.179
		35.702
		73.923
		73.917

Sirius.

1882, January 19.

α			β		
h	m	R	h	m	R
4	0.8	144.376	4	10.5	139.783
4	32.1	141.934	4	21.0	142.250
4	39.4	144.414	4	47.5	139.755
5	6.1	141.942	4	56.3	142.224
		144.398			139.773
		286.398			282.089
		286.414			282.093
		286.425			282.059
		286.419			282.075
Bar. 30.17.			Ther. 63.3.		
			Run + 2.1.		

 α Centauri.

1882, January 19.

β			α		
h	m	R	h	m	R
10	26.1	210.948	10	40.3	234.639
11	8.1	213.383	10	56.4	232.274
11	17.7	210.974	11	29.8	234.712
11	58.7	213.431	11	42.5	232.311
		210.990			234.693
		424.583			467.197
		424.587			467.178
		424.576			467.178
		424.589			467.195
Bar. 30.10.			Ther. 62.0.		

α_2 Eridani.

1882, January 23.

β				α					
h	m	r	R	h	m	r	R		
5	52.6	253.792	251.326	505.261	6	4.5	242.342	244.797	487.272
6	25.2	251.337	253.782	505.257	6	14.7	244.803	242.359	487.205
6	35.4	253.795	251.338	505.271	6	47.1	242.360	244.795	487.288
7	6.5	251.338	253.792	505.267	6	55.5	244.808	242.361	487.302
in				Ther. 64.°5.					
Bar. 29.97.									

in
Bar. 29.97.

Ther. 64.5.

 α_2 Eridani.

1882, January 24.

α				β					
h	m	r	R	h	m	r	R		
6	10.9	242.356	244.821	487.310	6	21.8	253.789	251.328	505.255
6	55.7	244.825	242.352	487.310	6	39.3	251.379	253.778	505.295
7	6.5	242.367	244.806	487.307					

in

Bar. 30.00.

Ther. 60.5.

Run + 3.6.

in
Bar. 30.00.

Ther. 60.5.

Run + 3.6.

 α_2 Centauri.

1882, January 28.

α				β					
h	m	r	R	h	m	r	R		
8	12.0	147.781	150.227	298.109	8	26.3	120.213	117.709	238.007
8	52.1	150.185	147.775	298.072	8	41.8	117.758	120.138	237.984
9	2.4	147.765	150.170	298.049	9	15.0	120.142	117.745	237.981
9	35.3	150.173	147.728	298.020	9	26.8	117.747	120.153	237.995
in									
Bar. 29.91.				Ther. 69.0.				Run + 2.0.	

in
Bar. 29.91.

Ther. 69.0.

Run + 2.0.

 β Centauri.

1882, January 28.

γ				
h	m	r		R
9	47.5	35.730	38.140	73.911
9	57.8	38.145	35.746	73.931

Bar. 29.88. Ther. 67°. Run + 2.8.

in
Bar. 29.88.

Ther. 67.0.

Run + 2.8.

 α_2 Eridani.

1882, February 3.

β				α				
h	m	r	R	h	m	r	R	
6	7.8	253.775	251.335	505.248	6	20.9	242.358	244.791
6	49.7	251.342	253.809	505.289	6	31.3	244.814	242.378
Bar. 29.90.				Ther. 65.3.	Run + 3.4.			

in
Bar. 29.90.

Ther. 65.3.

Run + 3.4.

α_2 Eridani.

1882, February 6.

α					β				
h	m	r	R		h	m	r	R	
6	18.1	244.794	242.340	487.267	6	27.8	251.339	253.769	505.246
6	54.6	242.349	244.776	487.258	6	39.6	253.798	251.335	505.271
7	2.6	244.791	242.338	487.262	7	11.9	251.325	253.801	505.264
7	35.6	242.332	244.783	487.250	7	25.3	253.798	251.345	505.282
in									
Bar. 30.08.				Ther. 68.0.	Run + 4.3.				

 α_2 Centauri.

1882, February 8.

α				β				
h	m	r	R	h	m	r	R	
10	30.8	232.248	234.693	10	41.7	213.381	210.976	424.594
11	5.4	234.692	232.262	10	53.4	210.968	213.409	424.601
11	14.5	232.282	234.678	11	27.7	213.419	210.989	424.599
11	50.4	234.703	232.316	11	39.2	210.987	213.410	424.579
in								
Bar. 30.08.				Ther. 65.0.				
				Run + 3.1.				

 α_2 Centauri.

1882, February 9.

β				α					
h	m	r	R	h	m	r	R		
12	3.9	117.722	120.157	237.973	12	14.5	150.176	147.742	298.032
12	40.1	120.173	117.731	237.994	12	28.5	147.735	150.181	298.029
12	50.0	117.731	120.179	237.999	13	4.6	150.156	147.750	298.013
13	31.4	120.164	117.745	237.992	13	12.3	147.745	150.145	298.006
in									
Bar. 30.01.				Ther. 68.8.				Run + 1.6.	

 β Centauri.

1882, February 10.

*				
h	m	r	r	R
7	22.0	38.130	35.746	73.930
7	33.7	35.698	38.141	73.892
in				
Bar. 29.96.		Ther. 68.5.		Run + 0.9.

 α_2 Centauri.

1882, February 10.

α					β				
h	m	r	R		h	m	r	R	
8	33.5	150.144	147.744	297.996	8	46.1	117.709	120.112	237.911
9	8.3	147.764	150.163	298.044	8	59.4	120.137	117.736	237.966
9	14.8	150.193	147.744	298.055	9	23.1	117.750	120.176	238.023
9	43.9	147.747	150.165	298.034	9	33.9	120.156	117.726	237.980
in									
Bar. 29.95.				Ther. 63.0.	Run + 0.8.				

β Centauri.

1882, February 13.

*

h	m	r	r	R
7	59.9	38.160	35.716	73.927
8	12.0	35.735	38.132	73.916

in
Bar. 30.01.

Ther. 70.5.

Run + 6.1.

 α_2 Centauri.

1882, February 13.

 β α

h	m	r	r	R	h	m	r	r	R
8	24.9	120.154	117.737	237.975	8	34.0	147.749	150.164	298.020
8	53.1	117.722	120.168	237.980	8	44.4	150.175	147.736	298.021
9	3.0	120.163	117.726	237.982	9	11.0	147.741	150.156	298.012
9	31.4	117.727	120.153	237.977	9	20.8	150.170	147.742	298.030

in
Bar. 30.00.

Ther. 69.5.

Run + 2.1.

 α_2 Centauri.

1882, February 13.

 β α

h	m	r	r	R	h	m	r	r	R
10	5.5	213.363	210.937	424.579	10	20.7	232.231	234.619	467.118
10	47.0	210.981	213.396	424.604	10	33.4	234.679	232.254	467.186
10	59.7	213.415	210.977	424.606	11	14.6	232.293	234.679	467.183
11	42.8	211.025	213.420	424.621	11	27.2	234.658	232.255	467.113

in
Bar. 29.97.

Ther. 70.5.

Run + 0.7.

 α_2 Eridani.

1882, February 14.

 β α

h	m	r	r	R	h	m	r	r	R
5	59.4	251.344	253.761	505.244	6	9.6	244.791	242.366	487.290
6	32.1	253.763	251.344	505.245	6	20.5	242.352	244.760	487.245
6	39.1	251.338	253.776	505.252	6	47.2	244.791	242.351	487.275
7	9.5	253.784	251.351	505.273	6	57.8	242.353	244.762	487.248

in
Bar. 29.98.

Ther. 67.0.

Run + 3.6.

 α_2 Centauri.

1882, February 15.

 α β

h	m	r	r	R	h	m	r	r	R
8	5.3	232.113	234.491	466.994	8	30.3	213.258	210.873	424.598
8	56.0	234.603	232.222	467.232	8	44.2	210.876	213.289	424.599
9	6.5	232.196	234.618	467.202	9	17.6	213.322	210.919	424.605
9	48.2	234.661	232.225	467.203	9	35.5	210.897	213.318	424.546

in
Bar. 30.02.

Ther. 64.3.

Run + 1.4.

Sirius.

1882, February 16.

β				α					
h	m	r	R	h	m	r	R		
8	31.2	139.783	142.227	282.112	8	40.0	144.363	141.940	286.415
9	0.9	142.211	139.744	282.099	8	49.8	141.917	144.355	286.388
9	9.7	139.790	142.205	282.113	9	21.9	144.361	141.911	286.412
9	50.0	142.212	139.788	282.146	9	34.6	141.899	144.347	286.396
in									
Bar. 30.23.				Ther. 61.5.				Run + 3.0.	

 α_2 Centauri.

1882, February 16.

β				α					
h	m	r	R	h	m	r	R		
10	13.3	213.362	210.944	424.583	10	27.3	232.246	234.660	467.177
10	43.1	210.985	213.397	424.620	10	34.3	234.676	232.251	467.186
10	49.9	213.414	210.966	424.611	11	1.9	232.262	234.665	467.146
11	21.4	210.991	213.396	424.587	11	12.8	234.690	232.262	467.170
in									
Bar. 30.22.				Ther. 60.0.				Run + 1.9.	

 β Centauri.

1882, February 22.

*

h	m	r	r	R
8	23.2	38.142	35.720	73.911
8	33.9	35.732	38.128	73.908
in				
Bar. 30.04.		Ther. 54.5.		Run + 1.6.

 α_2 Centauri.

1882, February 22.

α				β					
h	m	r	R	h	m	r	R		
8	45.4	150.147	147.739	298.000	8	55.1	117.731	120.166	237.991
9	25.9	147.740	150.189	298.052	9	8.1	120.153	117.725	237.975
9	37.2	150.194	147.731	298.049	9	46.1	117.718	120.159	237.979
10	19.2	147.723	150.162	298.011	10	6.7	120.170	117.748	238.021
in									
Bar. 30.07.				Ther. 52.0.				Run + 2.4.	

 α_2 Centauri.

1882, February 22.

β					α				
h	m	r	r	R	h	m	r	r	R
11	6.0	213.417	210.985	424.618	11	15.5	232.267	234.659	467.144
11	41.0	210.990	213.904	424.580	11	31.9	234.688	232.262	467.154
11	48.3	213.437	210.998	424.614	12	1.3	232.274	234.681	467.136
12	28.9	210.994	213.424	424.571	12	13.6	234.699	232.297	467.170
in									
Bar. 30.05.					Ther. 51.5.				

α_2 Centauri.

1882, February 23.

β				α					
h	m	r	R	h	m	r	R		
8	36.8	120.163	117.731	237.982	8	51.3	147.741	150.162	298.015
9	25.0	117.729	120.128	237.954	9	6.8	150.171	147.754	298.041
9	39.6	120.148	117.738	237.984	9	55.9	147.721	150.159	298.002
10	22.9	117.712	120.140	237.953	10	8.0	150.162	147.711	297.995
in									
Bar. 30.04.				Ther. 65.0.				Run + 0.9.	

Bar. 30.04.

Ther. 65.0.

Run + 0.9.

 β Centauri.

1882, February 23.

*				
h	m	r	r	R
10	37.9	38.147	35.731	73.914
10	46.1	35.730	38.143	73.908

in
 Bar. 30.00. Ther. 66°. Run + 3.8.

Bar. 30.00.

Ther. 66.0.

Run + 3.8.

Sirius.

1882, February 24.

α				β					
h	m	r	R	h	m	r	R		
9	0.1	144.356	141.923	286.402	9	8.7	139.780	142.203	282.101
9	32.1	141.919	144.348	286.416	9	21.1	142.193	139.765	282.082
9	40.6	144.352	141.905	286.413	9	49.6	139.758	142.192	282.096
10	11.6	141.887	144.318	286.400	10	0.1	142.198	139.756	282.110

in

Bar. 30.20.

Ther. 58° 5.

Run + 4.0.

Bar. 30.20.

Ther. 58.5.

Run + 4.0.

Sirius.

1882, February 27.

α					β				
h	m	r	R		h	m	r	R	
9	0.7	141.908	144.367	286.396	9	13.2	142.206	139.765	
9	36.5	144.313	141.915	286.376	9	24.6	139.745	142.217	
in					Run + 3.5.				
Bar. 30.02.					Ther. 64.3.				

Bar. 30.02.

Ther. 64.3.

Run + 3.5.

 α_2 Centauri.

1882, March 2.

α_1					β_1				
h	m	r	r	R	h	m	r	r	R
10	54.7	234.669	232.289	467.120	11	23.4	210.970	213.441	424.605
12	0.6	232.242	234.710	467.129	11	51.2	213.439	210.993	424.604
12	9.0	234.715	232.241	467.127	12	20.4	210.987	213.422	424.562
13	2.9	232.263	234.707	467.114	12	32.9	213.453	210.988	424.588
in									
Bar. 29.91.					Ther. 64°.0.				
					Run + 3.2.				

Bar. 29.91.

Ther. 64.0.

Run + 3.2.

α_2 Centauri.

1882, March 4.

β^1				α^1					
h	m	r	R	h	m	r	R		
10	54.6	210.968	213.386	424.574	11	4.8	234.659	232.221	467.105
11	30.3	213.424	210.981	424.596	11	18.4	232.235	234.671	467.119
11	39.0	211.003	213.408	424.595	11	48.2	234.673	232.254	467.116
12	13.0	213.433	210.983	424.576	11	58.9	232.259	234.676	467.116

in
Bar. 30.10. Ther. 59.3. Run + 3.7. Images 2. Steadiness 2.

 α_2 Centauri.

1882, March 4.

α				β					
h	m	r	R	h	m	r	R		
12	34.9	147.711	150.171	297.998	12	44.8	120.180	117.724	237.996
13	4.6	150.146	147.736	297.992	12	54.4	117.735	120.166	237.992
13	13.5	147.717	150.178	298.005	13	21.9	120.167	117.725	237.980
13	45.5	150.170	147.727	298.001	13	34.1	117.736	120.170	237.992

$\begin{matrix} \text{in} \\ \text{Bar. } 30.08. \end{matrix}$
 $\begin{matrix} \\ \text{Ther. } 55.0. \end{matrix}$
 $\begin{matrix} \\ \text{Run } + 1.8. \end{matrix}$
 $\begin{matrix} \\ \text{Images } 1-2. \end{matrix}$
 $\begin{matrix} \\ \text{Steadiness } 2-3. \end{matrix}$

 β Centauri.

1882, March 5.

*

h	m	r	r	R
8	13.4	38.139	35.726	73.915
8	22.0	35.717	38.155	73.921

in

Bar. 30.14. Ther. 65.0. Run + 2.2. Images 2.

 α_2 Centauri.

1882, March 5.

β				α					
h	m	r	R	h	m	r	R		
8	31.6	120.172	117.715	237.974	8	41.1	147.725	150.164	298.000
9	1.0	117.734	120.151	237.979	8	51.5	150.162	147.725	298.000
9	9.5	120.152	117.716	237.963	9	19.2	147.722	150.173	298.014
9	42.7	117.716	120.153	237.968	9	32.1	150.183	147.710	298.013

Bar. (ⁱⁿ30.14). Ther. (65.0). Run + 2.4. Images 2. Steadiness 2.

Sirius.

1882, March 5.

β				α					
h	m	r	R	h	m	r	R		
9	58.4	139.744	142.212	282.108	10	6.5	144.341	141.883	286.407
10	23.7	142.177	139.723	282.083	10	15.3	141.873	144.336	286.406
10	31.4	139.712	142.160	282.068	10	40.9	144.300	141.861	286.418
10	57.2	142.143	139.697	282.095	10	48.5	141.851	144.284	286.412

in
Bar. 30.14. Ther. 65.0. Run + 3.6. Images 2-3. Steadiness 2-3.

α_2 Centauri.

1882, March 6.

α					β				
h	m	r	r	R	h	m	r	R	
10	49.6	150.171	147.715	298.011	10	57.1	117.733	120.153	237.988
11	16.5	147.721	150.149	297.994	11	7.1	120.141	117.716	237.959
11	26.0	150.170	147.714	298.006	11	35.1	117.722	120.164	237.986
12	1.7	147.745	150.165	298.029	11	50.0	120.170	117.745	238.013

Ther. 56°. Run + 1.4. Images 1-2. Steadiness 2-3.

 β Centauri.

1882, March 6.

*

h	m	r	r	R
12	14.3	38.151	35.722	73.900
12	27.9	35.707	38.160	73.894

Bar. 30.15. in Ther. 55°. Run + 2.5. Images 1-2. Steadiness 1-2.

 β Centauri.

1882, March 9.

*

h	m	r	r	R
8	32.5	38.152	35.696	73.896
8	45.2	35.704	38.147	73.899

Bar. 30.21. in Ther. 61°. Run + 0.3. Images 2. Steadiness 2.

 α_2 Centauri.

1882, March 9.

 β α

h	m	r	r	R	h	m	r	r	R
9	1.1	120.172	118.211		9	8.7	147.700	150.166	297.984
9	32.0	117.701	120.150	237.950	9	19.3	150.159	147.724	298.003
9	49.0	120.178	117.729	238.008	9	59.2	147.718	150.158	297.999
10	19.3	117.687	120.151	237.940	10	9.8	150.159	147.703	297.985

Bar. 30.20. in Ther. 62°. Run + 1.4. Images 2-3. Steadiness 2.

 ϵ Indi.

1882, March 9.

 α β

h	m	r	R	h	m	r	R		
14	42.1	83.992	81.566	165.851	14	58.0	101.208	103.682	205.151
15	23.3	81.570	84.058	165.850	15	10.6	103.706	101.209	205.159
15	35.0	84.057	81.578	165.840	15	48.2	101.232	103.721	205.159
16	17.7	81.624	84.097	165.880	16	3.5	103.731	101.266	205.189

Bar. 30.15. in Ther. 61.5°. Run + 3.3. Images 3-4. Steadiness 3-4.

Sirius.

1882, March 10.

α					β				
h	m	r	r	R	h	m	r	R	
8	47.2	141.919	144.351	286.384	8	59.1	142.226	139.752	282.089
9	21.3	144.342	141.923	286.400	9	9.5	139.739	142.203	282.057
9	29.7	141.920	144.354	286.416	9	39.8	142.214	139.735	282.084
10	0.6	144.315	141.954	286.446	9	49.2	139.746	142.211	282.099

Bar. 30.06. Ther. 67.0. Run + 2.3. Images 3. Steadiness 3.

 α_2 Centauri.

1882, March 10.

α					β				
h	m	r	r	R	h	m	r	r	R
11	20.6	147.723	150.153	297.997	11	28.9	120.179	117.724	238.001
11	46.1	150.163	147.714	297.994	11	37.8	117.731	120.176	238.005
11	56.7	147.729	150.165	298.010	12	7.4	120.174	117.722	237.990
12	27.8	150.163	147.717	297.993	12	19.5	117.736	120.176	238.004

Bar. 30.02. Ther. 65.5. Run + 1.6. Images 2. Steadiness 2-3.

 β Centauri.

1882, March 11.

*

h	m	r	r	R
8	49.9	35.713	38.147	73.907
9	2.6	38.158	35.699	73.902

Bar. 29.97. Ther. 63.0. Run + 1.3. Images 2-3. Steadiness 3.

 α_2 Centauri.

1882, March 11.

β				α					
h	m	r	R	h	m	r	R		
9	17.1	120.154	117.726	237.977	9	28.4	147.719	150.150	297.991
9	55.2	117.703	120.136	237.941	9	41.8	150.176	147.724	298.023
10	10.9	120.152	117.703	237.957	10	27.7	147.718	150.198	298.041

Bar. 30.03. Ther. 56.0. Run + 1.8. Images 2. Steadiness 4.

 α Indi.

1882, March 12.

β					α				
h	m	r	R		h	m	r	R	
15	3.8	101.220	103.641	205.111	15	17.3	84.036	81.592	165.859
15	40.2	103.701	101.241	205.155	15	27.1	81.621	84.020	165.857
15	51.6	101.235	103.738	205.175	16	0.5	84.090	81.652	165.914
16	16.0	103.724	101.291	205.195	16	8.3	81.639	84.091	165.898

Bar. 30.16. Ther. 63.75. Run + 4.0. Images 3. Steadiness 3.

ε Indi.

1882, March 13.

α				β			
h	m	r	R	h	m	r	R
14	54.4	81.618	84.006	15	6.4	103.672	101.258
15	32.8	84.067	81.603	15	19.8	101.241	103.684
15	40.3	81.637	84.039	15	50.3	103.694	101.273
16	10.4	84.076	81.644	16	0.3	101.242	103.710

in
Bar. 30.10. Ther. 59.0. Run + 2.8. Images 2. Steadiness 2-3.

β Centauri.

1882, March 14.

*

h	m.	r	r	R
8	17.9	35.691	38.161	73.902
8	27.8	38.167	35.693	73.909

in
Bar. 30.14. Ther. 62.0. Run + 0.4. Images 2. Steadiness 2-3.

α₂ Centauri.

1882, March 14.

α				β			
h	m	r	R	h	m	r	R
8	39.6	147.691	150.184	8	52.5	120.208	117.707
9	13.0	150.178	147.703	9	3.3	117.703	120.178
9	23.4	147.712	150.183	9	32.3	120.176	117.708
9	51.0	150.196	147.687	9	42.1	117.686	120.194

in
Bar. (30.14). Ther. (63.5). Run + 0.1. Images 2. Steadiness 2-3.

β Centauri.

1882, March 14.

*

h	m	r	r	R
10	2.5	38.175	35.704	73.918
10	11.7	35.695	38.166	73.899

in
Bar. 30.13. Ther. 65.0. Run + 1.5. Images 1. Steadiness 1-2.

Sirius.

1882, March 15.

β				α			
h	m	r	R	h	m	r	R
9	49.7	142.189	139.739	9	59.9	141.893	144.333
10	23.3	139.727	142.172	10	11.1	144.308	141.878
10	35.7	142.160	139.708	10	46.2	141.850	144.288
11	8.7	139.688	142.109	10	58.2	144.250	141.844

in
Bar. 30.10. Ther. 64.0. Run + 1.0. Images 1-2. Steadiness 2-3.

α_2 Centauri.

1882, March 15.

β				α			
h	m	r	R	h	m	r	R
11	34.8	117.739	120.160	11	43.3	150.131	147.722
12	2.1	120.163	117.716	11	55.3	147.714	150.164
12	10.5	117.717	120.164	12	20.1	150.154	147.718
12	38.8	120.164	117.735	12	29.4	147.702	150.149
			237.997				297.972
			237.974				297.995
			237.975				297.987
			237.990				297.965

in
Bar. 30.07. Ther. 61.5. Run + 1.1. Images 1-2. Steadiness 2-3.

 α_2 Centauri.

1882, March 17.

α				β			
h	m	r	R	h	m	r	R
16	8.5	150.149	147.735	16	18.6	117.757	120.174
16	39.8	147.737	150.175	16	30.6	120.176	117.756
16	46.5	150.163	147.731	16	54.7	117.745	120.180
17	11.5	147.757	150.148	17	2.6	120.154	117.766
			297.968				237.997
			297.995				237.998
			297.977				237.992
			297.989				237.987

in
Bar. 30.17. Ther. 59.3. Run + 0.6. Images 1-2. Steadiness 2.

Sirius.

1882, March 18.

α				β			
h	m	r	R	h	m	r	R
8	57.5	141.917	144.345	9	8.5	142.175	139.757
9	30.5	144.313	141.913	9	19.8	139.750	142.196
9	38.6	141.927	144.336	9	50.3	142.171	139.748
10	17.8	144.311	141.909	9	59.4	139.749	142.169
			286.382				282.048
			286.371				282.067
			286.414				282.064
			286.425				282.071

in
Bar. 30.11. Ther. 64.3. Run + 1.3. Images 3. Steadiness 3.

Sirius.

1882, March 20.

α				β			
h	m	r	R	h	m	r	R
8	28.9	141.927	144.339	8	38.4	142.194	139.796
8	56.8	144.369	141.917	8	47.8	139.786	142.194
9	6.6	141.932	144.343	9	17.0	142.192	139.783
9	40.1	144.330	141.905	9	28.5	139.776	142.169
			286.372				282.094
			286.405				282.088
			286.401				282.095
			286.388				282.073

in
Bar. 30.15. Ther. 63.8. Run + 0.2. Images 2. Steadiness 2.

 ϵ Indi.

1882, March 20.

β				α			
h	m	r	R	h	m	r	R
15	41.7	103.665	101.292	15	55.7	81.658	84.056
16	18.2	101.292	103.679	16	7.0	84.045	81.660
16	30.4	103.704	101.304	16	40.7	81.667	84.059
17	0.3	101.323	103.720	16	50.0	84.065	81.683
			205.169				165.895
			205.150				165.875
			205.179				165.863
			205.191				165.877

in
Bar. 30.14. Ther. 62.3. Run + 2.3. Images 2. Steadiness 2-3.

α_2 Centauri.

1882, March 21.

α			β		
h	m	R	h	m	R
8	23.7	150.157	8	39.6	117.725
9	4.8	147.743	8	53.0	120.146
9	12.7	150.151	9	23.1	117.741
9	50.4	147.728	9	41.2	120.083
		150.139			117.734
		297.993			237.960
		298.004			237.979
		297.997			237.921
		297.991			238.005

in
Bar. 30.22. Ther. 64.3. Run + 0.6. Images 3. Steadiness 3-4.

 α_2 Centauri.

1882, March 23.

β			α		
h	m	R	h	m	R
8	29.7	117.733	8	41.1	150.114
9	1.3	120.134	8	52.8	147.731
9	10.2	117.730	9	22.5	150.147
9	51.5	120.134	9	37.5	147.744
		117.759			150.139
		237.957			297.971
		237.959			297.990
		237.965			297.996
		237.992			298.003

in
Bar. 30.03. Ther. 67.5. Run + 0.5. Images 2-3. Steadiness 3.

 β Centauri.

1882, March 23.

h	m	R	h	m	R
10	3.5	35.730	10	12.8	38.132
		38.130			35.728
					73.901
					73.996

in
Bar. 30.00. Ther. 64.0. Run + 1.3. Images 2. Steadiness 2.

 ϵ Indi.

1882, March 23.

α			β		
h	m	R	h	m	R
15	55.5	84.021	16	8.8	101.301
16	33.5	81.671	16	23.1	103.678
16	42.4	84.071	16	52.7	101.314
17	15.7	81.703	17	3.6	103.687
		84.080			101.288
		165.873			205.161
		165.875			205.183
		165.904			205.181
		165.898			205.122

in
Bar. 29.89. Ther. 57.3. Run + 2.0. Images 2-3. Steadiness 2-3.

Sirius.

1882, March 24.

α			β		
h	m	R	h	m	R
8	27.9	144.326	8	38.3	139.794
8	58.4	141.940	8	48.9	142.190
9	13.1	144.352	9	23.7	139.793
9	50.3	141.918	9	32.2	142.188
		144.319			139.783
		286.388			282.090
		286.397			282.091
		286.413			282.106
		286.399			282.100

in
Bar. 29.86. Ther. 64.0. Run + 2.7. Images 2. Steadiness 2.

ε Indi.

1882, March 30.

β					α				
h	m	r	r	R	h	m	r	r	R
16	31.0	101.348	103.636	205.156	16	40.5	84.019	81.722	165.882
16	57.2	103.651	101.342	205.146	16	48.8	81.728	84.029	165.881
17	5.5	101.349	103.646	205.140	17	17.1	84.018	81.737	165.870

Bar. 30.07. Ther. 54.8. Run + 2.9. Images 1-2. Steadiness 1-2.

 α₂ Centauri.

1882, March 31.

α				β					
h	m	r	R	h	m	r	R		
8	20.2	147.769	150.109	297.982	8	27.6	120.114	117.802	238.002
8	49.6	150.077	147.784	297.974	8	39.3	117.812	120.090	237.990
8	56.5	147.776	150.085	297.975	9	5.2	120.106	117.802	238.002
9	25.1	150.102	147.771	297.993	9	14.8	117.786	120.095	237.977

Bar. 30.07. Ther. 65.0. Run + 0.4. Images 1-2. Steadiness 2.

β Centauri.

1882, March 31.

h	m	r	r	R
9	39.3	35.793	38.082	73.916
9	48.6	38.076	35.780	73.897

Bar. 30.06. Ther. 64.0. Run + 1.7. Images 1-2. Steadiness 1-2.

ε Indi.

1882, March 31.

α				β					
h	m	r	R	h	m	r	R		
16	35.5	84.006	81.752	165.901	16	44.8	101.341	103.649	205.148
16	59.8	81.748	84.027	165.898	16	52.3	103.652	101.362	205.167
17	7.5	84.046	81.758	165.923	17	19.5	101.372	103.655	205.163
17	36.9	81.752	84.039	165.893	17	28.3	103.676	101.372	205.180

Bar. 30.02. Ther. 63.1. Run + 3.1. Images 1-2. Steadiness 2.

Sirius.

1882, April 1.

β					α				
h	m	r	r	R	h	m	r	R	
9	14.0	139.835	142.137	282.091	9	25.1	144.307	141.993	286.441
9	43.2	142.127	139.827	282.094	9	34.2	141.973	144.273	286.397
9	52.1	139.807	142.143	282.096	10	0.2	144.296	141.973	286.444
10	28.1	142.117	139.806	282.113	10	11.8	141.946	144.281	286.419

Bar. 30.06. Ther. 63.3. Run + 2.9. Images 2. Steadiness 2-3.

β Centauri.

1882, April 2.

*

h	m	r	r	R
9	25.8	38.070	35.769	73.882
9	35.6	35.781	38.077	73.900

Bar. 30.11.

Ther. 63.0.

Run + 2.0.

 α_2 Centauri.

1882, April 2.

 β α

h	m	r	r	R	h	m	r	r	R
9	56.3	117.809	120.111	238.021	10	6.1	150.083	147.783	297.989
10	29.7	120.129	117.796	238.027	10	15.2	147.774	150.084	297.982
10	39.9	117.802	120.109	238.013	10	49.6	150.084	147.777	297.984
11	10.7	120.109	117.811	238.021	10	58.0	147.780	150.102	298.005

Bar. 30.13.

Ther. 62.0.

Run + 3.2.

Images 2-3.

Steadiness 3.

Sirius.

1882, April 3.

 α β

h	m	r	r	R	h	m	r	r	R
9	17.6	144.261	141.961	286.357	9	28.2	139.863	142.118	282.108
9	52.5	141.945	144.262	286.373	9	42.0	142.145	139.839	282.123

Bar. 30.18.

Ther. 62.0.

Run + 3.5.

Images 3-4.

Steadiness 3-4.

Sirius.

1882, April 5.

 α β

h	m	r	r	R	h	m	r	r	R
9	10.2	144.289	141.984	286.402	9	20.8	139.840	142.125	282.099
9	37.7	141.991	144.290	286.434	9	30.8	142.143	139.835	282.109
9	44.8	144.287	141.972	286.420	9	52.8	139.853	142.149	282.152
10	13.4	141.957	144.250	286.405	10	4.8	142.128	139.830	282.121

Bar. 30.00.

Ther. 56.0.

Run + 3.8.

Images 2-3.

Steadiness 2-3.

Sirius.

1882, April 7.

 β α

h	m	r	r	R	h	m	r	r	R
8	58.3	139.840	142.164	282.116	9	9.9	144.296	141.975	286.399
9	43.4	142.150	139.813	282.103	9	22.5	141.981	144.269	286.388
9	50.6	139.823	142.140	282.109	10	1.2	144.268	141.961	286.408
10	25.2	142.098	139.798	282.084	10	13.5	141.938	144.272	286.406

Bar. 30.20.

Ther. 63.5.

Run + 2.6.

Images 3.

Steadiness 3.

ε Indi.

1882, April 7.

β				α					
h	m	r	R	h	m	r	R		
16	20.9	101.341	103.602	205.120	16	31.7	84.004	81.734	165.884
16	53.7	103.632	101.361	205.141	16	42.0	81.747	84.022	165.907
17	3.0	101.364	103.636	205.146	17	11.8	84.034	81.737	165.886
17	27.2	103.632	101.372	205.137	17	19.4	81.758	84.056	165.926
Bar. 30 ⁱⁿ . 12.				Ther. 62 ^o .	Run + 2.5.	Images 2-3.	Steadiness 3.		

Bar. $30^{\circ}12$. Ther. $62^{\circ}0$. Run + 2.5. Images 2-3. Steadiness 3.

 α₂ Centauri.

1882, April 7.

α					β				
h	m	r	r	R	h	m	r	r	R
17	41.9	147.830	150.089	298.008	17	53.0	120.122	117.840	238.034
18	11.9	150.096	147.783	297.977	18	2.8	117.827	120.143	238.044
18	23.8	147.786	150.071	297.960	18	33.3	120.136	117.813	238.034
18	49.6	150.065	147.796	297.979	18	41.3	117.812	120.086	237.986

Bar. $(30^{\circ}11)$. Ther. $(62^{\circ}0)$. Run + 2.0. Images 2. Steadiness 2-3.

β Centauri.

1882, April 7.

*

h	m	r	r	R
18	59.9	35.803	38.080	73.939
19	7.2	38.076	35.806	73.940

Bar. $(30^{\circ}10)$. Ther. $62^{\circ}0$. Run + 2.0. Images 2. Steadiness 2.

 α₂ Centauri.

1882, April 8.

β					α				
h	m	r	r	R	h	m	r	R	
9	40.3	120.131	117.795	238.026	9	49.0	147.774	150.093	297.990
10	8.0	117.808	120.115	238.024	9	59.3	150.113	147.777	298.013
10	15.9	120.108	117.812	238.021	10	25.8	147.782	150.071	297.977
10	47.6	117.801	120.097	238.000	10	37.0	150.080	147.756	297.960

Bar. $30^{\circ}03$. Ther. $60^{\circ}5$. Run + 1.9. Images 1-2. Steadiness 2.

β Centauri.

1882, April 8.

*

h	m	r	r	R
II	0.4	38.092	35.783	73.908
II	9.8	35.807	38.085	73.924

Bar. $30^{\circ}03$. Ther. $56^{\circ}5$. Run + 2.5. Images 1-2. Steadiness 1-2.

ε Indi.

1882, April 9.

α				β			
h	m	r	R	h	m	r	R
16	41.8	81.736	84.038	16	51.2	103.659	101.333
17	8.2	84.034	81.739	16	59.6	101.344	103.661
17	18.2	81.736	84.038	17	28.4	103.662	101.345
17	55.5	84.049	81.749	17	44.2	101.332	103.649

in
Bar. 30.07. Ther. 61.5. Run + 2.4. Images 1-2. Steadiness 1-2.

α₂ Centauri.

1882, April 9.

α				β			
h	m	r	R	h	m	r	R
18	9.7	150.092	147.782	18	17.3	117.836	120.125
18	35.6	147.775	150.080	18	27.0	120.134	117.807
18	41.1	150.090	147.782	18	49.5	117.831	120.123
19	3.1	147.766	150.083	18	56.3	120.128	117.826

in
Bar. 30.07. Ther. 61.5. Run + 1.4. Images 2. Steadiness 2-3.

Sirius.

1882, April 10.

α				β			
h	m	r	R	h	m	r	R
9	11.5	141.971	144.287	9	23.0	142.137	139.820
9	42.1	144.271	141.948	9	32.8	139.827	142.138
9	50.9	141.951	144.264	9	58.6	142.122	139.796
10	18.2	144.249	141.925	10	7.8	139.803	142.119

in
Bar. 30.13. Ther. 58.5. Run + 1.7. Images 1-2. Steadiness 2-3.

α₂ Centauri.

1882, April 11.

β				α			
h	m	r	R	h	m	r	R
9	9.5	117.819	120.094	9	18.1	150.080	147.769
9	37.1	120.110	117.796	9	28.6	147.759	150.068
9	44.7	117.802	120.102	9	53.5	150.071	147.764
10	12.2	120.106	117.790	10	4.0	147.772	150.074

in
Bar. 30.10. Ther. 61.5. Run + 0.9. Images 1. Steadiness 2.

β Centauri.

1882, April 11.

h	m	r	R
10	22.7	35.787	38.083
10	34.8	38.095	35.778

in
Bar. 30.09. Ther. 58.3. Run + 3.2. Images 1. Steadiness 2.

ε Indi.

1882, April 12.

α				β			
h	m	r	R	h	m	r	R
17	28.5	84.050	81.747	17	38.1	101.362	103.640
18	1.8	81.767	84.058	17	52.2	103.670	101.335
18	9.6	84.049	81.756	18	20.3	101.352	103.658
18	37.8	81.764	84.054	18	29.3	103.654	101.366
			165.904				205.130
			165.915				205.119
			165.892				205.116
			165.893				205.122

in
Bar. 30.09. Ther. 59.5. Run + 2.5. Images 2. Steadiness 2-3.

ε Indi.

1882, April 13.

β				α			
h	m	r	R	h	m	r	R
16	38.1	103.636	101.329	16	47.7	81.739	84.019
17	4.7	101.327	103.640	16	56.3	84.038	81.744
17	13.6	103.652	101.322	17	21.2	81.727	84.045
17	39.1	101.323	103.666	17	29.6	84.055	81.758
			205.131				165.893
			205.113				165.910
			205.114				165.884
			205.116				165.920

in
Bar. 30.20. Ther. 58.9. Run + 3.2. Images 1-2. Steadiness 2.

 α₂ Centauri.

1882, April 13.

β				α			
h	m	r	R	h	m	r	R
18	10.6	120.136	117.819	18	17.9	147.775	150.073
18	38.0	117.813	120.136	18	27.8	150.074	147.770
18	45.1	120.124	117.824	18	51.2	147.767	150.090
19	8.1	117.811	120.126	18	59.8	150.085	147.761
			238.032				297.950
			238.037				297.950
			238.039				297.977
			238.041				297.972

in
Bar. 30.22. Ther. 59.0. Run + 1.7. Images 1-2. Steadiness 2.

Sirius.

1882, April 18.

β				α			
h	m	r	R	h	m	r	R
9	8.4	142.127	139.823	9	18.8	142.002	144.272
9	41.1	139.829	142.121	9	28.5	144.276	141.952
9	49.3	142.128	139.791	9	58.4	141.951	144.266
10	20.5	139.794	142.125	10	9.8	144.254	141.939
			282.067				286.409
			282.088				286.372
			282.064				286.391
			282.101				286.382

in
Bar. 30.16. Ther. 61.0. Run + 3.1. Images 2. Steadiness 2-3.

ε Indi.

1882, April 18.

β			α		
h	m	R	h	m	R
16	11.2	103.612	16	22.2	81.720
16	42.6	101.319	16	32.7	84.037
16	52.4	103.642	17	2.4	81.756
17	21.3	101.344	17	11.9	84.050
		101.311			81.016
		103.623			81.736
		205.109			165.891
		205.103			165.918
		205.124			165.906
		205.127			165.907

Bar. 30.10. Ther. 60.8. Run + 3.0. Images 2-3. Steadiness 2-3.

Sirius.

1882, April 19.

α			β		
h	m	R	h	m	R
10	4.5	144.259	10	12.3	139.823
10	32.1	141.925	10	21.7	142.106
		141.942			142.120
		144.238			139.815
		286.382			282.112
		286.400			282.102

Bar. 30.03. Ther. 60.3. Run + 2.3. Images 3. Steadiness 3.

Sirius.

1882, April 22.

α			β		
h	m	R	h	m	R
9	6.0	141.983	9	15.9	142.118
9	38.6	144.285	9	29.2	139.825
9	49.6	141.955	10	0.5	142.124
10	25.8	144.231	10	15.3	139.797
		141.931			142.093
		286.390			282.074
		286.420			282.090
		286.417			282.079
		286.382			282.065

Bar. 30.19. Ther. 57.0. Run + 2.3. Images 3. Steadiness 3.

Sirius.

1882, April 25.

β			α		
h	m	R	h	m	R
8	35.8	142.138	8	43.7	141.982
9	6.9	139.826	8	56.2	144.281
9	17.8	142.151	9	28.0	141.974
9	48.5	139.834	9	38.4	144.270
		142.121			141.961
		282.100			286.372
					286.373
					286.386
					286.383

Bar. 30.17. Ther. 61.3. Run + 1.4. Images 1-2. Steadiness 2-3.

α₂ Centauri.

1882, April 25.

α			β		
h	m	R	h	m	R
11	16.1	150.072	11	25.3	117.824
11	43.4	147.778	11	33.8	120.109
11	52.4	150.056	12	0.1	117.822
12	16.6	147.765	12	9.1	120.122
		147.762			117.821
		297.957			238.050
		297.964			238.035
		297.966			238.038
		297.953			238.038

Bar. 30.15. Ther. 58.5. Run + 2.1. Images 1-2. Steadiness 2.

β Centauri.

1882, April 25.

*

h	m	r	r	R
12	27.1	38.082	35.790	73.899
12	37.6	35.804	38.082	73.913

 in
Bar. 30.14.

Ther. 58.0.

Run + 1.5.

Sirius.

1882, April 26.

 α
 β

h	m	r	r	R	h	m	r	r	R
9	49.1	144.248	141.953	286.364	10	0.7	139.814	142.097	282.067
10	22.1	141.937	144.219	286.370	10	9.4	142.106	139.794	282.066

 in
Bar. 30.08.

Ther. 62.0.

Run + 2.1.

Images 1-2.

Steadiness 1-2.

Sirius.

1882, April 28.

 β
 α

h	m	r	r	R	h	m	r	r	R
8	33.5	139.832	142.145	282.080	8	43.1	144.277	141.966	286.356
9	2.0	142.141	139.823	282.078	8	51.8	141.976	144.265	286.359
9	9.5	139.839	142.118	282.074	9	20.0	144.280	141.960	286.377
9	51.1	142.113	139.804	282.064	9	38.1	141.983	144.245	286.380

 in
Bar. 30.10.

Ther. 60.0.

Run + 1.9.

Images 1-2.

Steadiness 1-2.

 β Centauri.

1882, April 28.

*

h	m	r	r	R
11	15.2	35.800	38.080	73.912
11	23.9	38.080	35.791	73.902

 in
Bar. 30.13.

Ther. 59.0.

Run + 3.1.

Images 1.

Steadiness 1.

 α_2 Centauri.

1882, April 28.

 β
 α

h	m	r	r	R	h	m	r	r	R
11	37.6	117.819	120.116	238.033	11	47.5	150.056	147.758	297.934
12	14.4	120.132	117.803	238.030	12	0.2	147.775	150.072	297.966

 in
Bar. 30.14.

Ther. 57.5.

Run + 1.4.

Images 1-2.

Steadiness 1-2.

Sirius.

1882, May 2.

α					β				
h	m	r	r	R	h	m	r	R	
9	13.5	144.265	141.963	286.361	9	28.5	139.800	142.120	282.049
9	48.6	141.948	144.247	286.359	9	38.1	142.112	139.825	282.074
9	57.5	144.259	141.943	286.377	10	8.5	139.810	142.111	282.086
10	30.6	141.909	144.224	286.365	10	19.2	142.114	139.774	282.068

in
Bar. 30.15. Ther. 56°. Run + 3.4. Images 2-3. Steadiness 2-3.

Lacaille 9352.

1882, May 2.

α					β				
h	m	r	r	R	h	m	r	R	
18	39.0	264.024	266.340	530.738	18	49.9	172.181	169.874	342.290
19	14.1	266.367	264.053	530.708	19	0.8	169.863	172.201	342.279
19	23.2	264.037	266.388	530.694	19	32.9	172.215	169.917	342.304
19	55.7	266.405	264.100	530.728	19	45.1	169.886	172.235	342.282

in
Bar. 30.15. Ther. 50°. Run + 6.6. Images 1-2. Steadiness 1-2.

Sirius.

1882, May 3.

β					α				
h	m	r	R		h	m	r	R	
9	18.1	139.842	142.108	282.074	9	28.2	144.271	141.962	286.379
9	44.4	142.122	139.812	282.076	9	37.0	141.968	144.254	286.375
9	57.2	139.782	142.124	282.060	10	18.5	144.252	141.926	286.387
10	40.1	142.072	139.777	282.068	10	30.5	141.937	144.221	286.390

in
Bar. 30.28. Ther. 56°. Run + 2.4. Images 2-3. Steadiness 2-3.

Sirius.

1882, May 5.

α				β					
h	m	r	R	h	m	r	R		
9	22.3	141.952	144.246	286.336	9	35.8	142.121	139.812	282.067
10	0.5	144.281	141.926	286.384	9	47.7	139.809	142.104	282.058

in
Bar. 30.20. Ther. 61°. Run + 2.6. Images 3. Steadiness 3.

Lacaille 9352.

1882, May 5.

β				α					
h	m	r	R	h	m	r	R		
19	39.0	169.936	172.230	342.327	19	47.8	266.373	264.064	530.664
20	5.7	172.225	169.928	342.293	19	57.5	264.075	266.377	530.668

in
Bar. 30.07. Ther. 60°. Run + 4.0. Images 2. Steadiness 2.

ε Indi.

1882, May 6.

α				β			
h	m	r	R	h	m	r	R
18	46.8	81.783	84.074	18	58.3	103.645	101.352
19	15.8	84.058	81.781	19	6.7	101.340	103.678
19	22.9	81.790	84.063	19	32.1	103.639	101.351
20	1.0	84.074	81.789	19	46.4	101.354	103.632

in
Bar. 30.07. Ther. 51.3. Run + 2.6. Images 2. Steadiness 2.

Lacaille 9352.

1882, May 7.

α					β				
h	m	r	r	R	h	m	r	r	R
18	18.5	263.982	266.311	530.742	18	29.8	172.182	169.852	342.314
18	48.8	266.344	264.027	530.714	18	39.3	169.873	172.167	342.297
18	58.5	264.061	266.356	530.737	19	9.0	172.206	169.913	342.322
19	31.6	266.385	264.071	530.712	19	21.1	169.902	172.202	342.290

in
Bar. 30.24. Ther. 52.0. Run + 3.7. Images 1-2. Steadiness 2-3.

 α₂ Centauri.

1882, May 7.

α					β				
h	m	r	r	R	h	m	r	r	R
19	52.4	147.725	150.026	297.943	20	2.1	120.105	117.811	238.078
20	21.7	149.982	147.715	297.948	20	12.3	117.783	120.097	238.057
20	31.7	147.708	149.985	297.971	20	41.4	120.076	117.763	238.073
21	0.9	149.952	147.635	297.964	20	50.4	117.770	120.036	238.062

in
Bar. 30.27. Ther. 48.0. Run + 2.5. Images 2. Steadiness 2-3.

Sirius.

1882, May 8.

β				α					
h	m	r	R	h	m	r	R		
9	57.8	142.115	139.795	282.064	10	5.6	141.949	144.249	286.381
10	27.5	139.771	142.101	282.064	10	16.2	144.220	141.924	286.345

in
Bar. 30.32. Ther. 60.0. Run + 2.6. Images 2. Steadiness 2-3.

 α₂ Centauri.

1882, May 9.

α					β				
h	m	r	r	R	h	m	r	r	R
9	25.0	147.785	150.058	297.966	9	35.7	120.100	117.823	238.025
9	54.9	150.044	147.767	297.936	9	45.8	117.839	120.110	238.052
10	2.0	147.766	150.059	297.950	10	10.8	120.102	117.832	238.037
10	27.4	150.046	147.755	297.927	10	20.2	117.824	120.117	238.045

in
Bar. 30.29. Ther. 55.0. Run + 3.0. Images 2. Steadiness 2-3.

β Centauri.

1882, May 9.

*

h	m	r	r	R
10	41.6	35.801	38.078	73.915
10	49.9	38.080	35.811	73.926

Bar. $30^{\circ}29$. Ther. $56^{\circ}0$. Run + 4.5. Images 1. Steadiness 1.

Lacaille 9352.

1882, May 9.

 β α

h	m	r	r	R	h	m	r	r	R
18	18.2	172.124	169.843	342.278	18	28.5	264.007	266.316	530.727
18	51.5	169.878	172.194	342.301	18	41.0	266.358	264.050	530.772
19	0.3	172.185	169.905	342.304	19	10.5	264.063	266.372	530.726
19	30.8	169.901	172.212	342.285	19	21.3	266.382	264.074	530.726

Bar. $30^{\circ}21$. Ther. $56^{\circ}3$. Run + 4.5. Images 1-2. Steadiness 1-2.

 α_2 Centauri.

1882, May 9.

 β α

h	m	r	r	R	h	m	r	r	R
19	50.4	120.115	117.829	238.088	19	58.3	147.737	150.016	297.953
20	18.7	117.773	120.078	238.034	20	8.3	150.017	147.714	297.950
20	25.3	120.081	117.797	238.074	20	34.3	147.699	149.999	297.978
20	56.6	117.766	120.022	238.055	20	43.6	149.994	147.696	297.999

Bar. $30^{\circ}20$. Ther. $57^{\circ}3$. Run + 2.6. Images 2. Steadiness 2-3.

Sirius.

1882, May 18.

 α β

h	m	r	r	R	h	m	r	r	R
9	39.9	141.983	144.253	286.394	9	50.9	142.132	139.823	282.105
10	6.2	144.232	141.956	286.377	9	59.6	139.807	142.092	282.060
10	11.5	141.949	144.241	286.389	10	19.5	142.091	139.796	282.072
10	38.6	144.192	141.926	286.375	10	30.8	139.786	142.099	282.087

Bar. $30^{\circ}31$. Ther. $52^{\circ}8$. Run + 3.0. Images 2-3. Steadiness 2-3.

 α_2 Centauri.

1882, May 18.

 β α

h	m	r	r	R	h	m	r	r	R
19	0.6	120.136	117.818	238.056	19	11.3	147.740	150.039	297.920
19	32.8	117.843	120.135	238.107	19	21.9	150.040	147.721	297.913
19	42.0	120.126	117.799	238.063	19	51.4	147.696	150.030	297.919
20	17.2	117.804	120.117	238.108	20	6.1	150.019	147.699	297.938

Bar. $30^{\circ}20$. Ther. $46^{\circ}5$. Run + 2.2. Images 2. Steadiness 3.

Lacaille 9352.

1882, May 18.

β				α					
h	m	r	R	h	m	r	R		
20	37.4	172.249	169.927	342.302	20	50.3	264.136	266.422	530.739
21	13.8	169.914	172.240	342.266	21	1.9	266.464	264.123	530.763

in
 Bar. 30.17. Ther. 42.5. Run + 5.9. Images 2. Steadiness 2.

Sirius.

1882, May 19.

β					α				
h	m	r		R	h	m	r		R
9	29.8	142.131	139.825	282.085	9	37.6	141.959	144.281	286.393
9	51.8	139.796	142.126	282.069	9	44.8	144.259	141.959	286.377
9	58.8	142.124	139.805	282.085	10	11.7	141.922	144.240	286.359
10	29.6	139.784	142.106	282.088	10	20.2	144.289	141.917	286.415

in
 Bar. 30.04. Ther. 56.3. Run + 3.4. Images 2-3. Steadiness 2-3.

 α_2 Centauri.

1882, May 19.

β				α					
h	m	r	R	h	m	r	R		
11	27.1	120.167	117.839	238.106	11	34.7	147.748	150.062	297.931
11	54.9	117.820	120.155	238.072	11	44.6	150.063	147.740	297.923
12	0.3	120.140	117.822	238.058	12	7.9	147.743	150.075	297.935
12	25.0	117.847	120.167	238.108	12	15.8	150.078	147.741	297.936

in
Bar. 30.04. Ther. 56.8. Run + 1.0. Images 2. Steadiness 2-3.

Lacaille 9352.

1882, May 19.

α				β					
h	m	r	R	h	m	r	R		
18	23.7	266.332	263.982	530.742	18	33.2	169.820	172.171	342.263
18	54.4	264.027	266.365	530.723	18	43.2	172.201	169.859	342.309
19	5.5	266.375	264.043	530.722	19	15.1	169.873	172.225	342.292
19	35.3	264.069	266.386	530.706	19	23.0	172.229	169.875	342.288

in
Bar. 29.99. Ther. 47.0. Run + 4.8. Images 2. Steadiness 2-3.

Sirius.

1882, May 21.

α				β					
h	m	r	R	h	m	r	R		
9	42.7	144.262	141.945	286.367	9	51.4	139.783	142.098	282.031
10	11.8	141.920	144.249	286.368	10	3.0	142.132	139.788	282.083
10	17.8	144.223	141.933	286.366	10	26.9	139.742	142.073	282.009
10	47.8	141.883	144.205	286.373	10	37.0	142.079	139.756	282.048

$\overset{\text{in}}{\text{Bar. 30.47.}}$
 $\overset{\circ}{\text{Ther. 54.7.}}$
 $\text{Run} + 2.1.$
 Images 2.
 Steadiness 2-3.

α , Centauri.

1882, May 22.

α				β			
h	m	r	R	h	m	r	R
9	41.6	147.751	150.059	9	51.4	120.140	117.819
10	15.5	150.062	147.732	10	6.6	117.814	120.147
10	24.2	147.739	150.075	10	34.1	120.157	117.838
10	53.7	150.047	147.731	10	44.7	117.815	120.156

in
Bar. 30.30. Ther. 53.5. Run + 1.9. Images 1-2. Steadiness 2-3.

Sirius.

1882, May 23.

β				α			
h	m	r	R	h	m	r	R
9	45.3	142.128	139.785	9	53.2	141.930	144.292
10	15.2	139.799	142.086	10	5.0	144.283	141.955

in
Bar. 30.40. Ther. 55.5. Run + 3.2. Images 2. Steadiness 2-3.

 ϵ Indi.

1882, May 23.

α				β			
h	m	r	R	h	m	r	R
16	41.8	84.039	81.726	16	50.7	101.285	103.638
17	10.6	81.746	84.063	17	1.8	103.626	101.300
17	20.6	84.064	81.758	17	30.1	101.317	103.636
17	49.9	81.763	84.077	17	39.4	103.642	101.294

in
Bar. 30.42. Ther. 56.0. Run + 4.1. Images 1-2. Steadiness 2.

Lacaille 9352.

1882, May 23.

β				α			
h	m	r	R	h	m	r	R
18	7.1	169.764	172.152	18	22.5	266.334	263.981
18	39.0	172.145	169.834	18	31.1	263.996	266.338

in
Bar. 30.42. Ther. 55.5. Run + 3.8. Images 2. Steadiness 2.

 ϵ Indi.

1882, May 24.

β				α			
h	m	r	R	h	m	r	R
16	30.3	101.213	103.687	16	40.3	84.093	81.662
17	1.8	103.702	101.237	16	49.0	81.670	84.129
17	9.9	101.236	103.689	17	20.7	84.107	81.689
17	44.0	103.729	101.249	17	31.0	81.686	84.125

in
Bar. 30.45. Ther. 56.3. Run + 3.1. Images 2. Steadiness 2.

α_2 Centauri.

1882, May 26.

β				α			
h	m	r	R	h	m	r	R
9	58.1	120.227	117.737	10	7.8	147.630	150.140
10	24.6	117.732	120.221	10	16.5	150.128	147.662
10	32.1	120.208	117.744	10	41.5	147.636	150.156
10	58.6	117.728	120.220	10	50.1	150.137	147.636

Bar. $30^{\circ}36$. Ther. $59^{\circ}0$. Run + 1.5. Images 2. Steadiness 2-3.

 β Centauri.

1882, May 26.

h	m	r	R
11	7.1	38.172	35.701
11	16.5	35.699	38.163

Bar. $30^{\circ}38$. Ther. $59^{\circ}0$. Run + 4.6. Images 2. Steadiness 2.

 β Centauri.

1882, May 26.

h	m	r	R
16	48.2	38.177	35.724
16	56.5	35.711	38.177

Bar. $30^{\circ}37$. Ther. $60^{\circ}0$. Run + 1.7. Images 2. Steadiness 2-3.

 α_2 Centauri.

1882, May 26.

β				α			
h	m	r	R	h	m	r	R
17	10.9	120.253	117.769	17	19.4	147.655	150.150
17	40.2	117.781	120.257	17	28.8	150.140	147.674
17	50.8	120.261	117.783	18	0.0	147.666	150.145
18	19.2	117.758	120.275	18	9.3	150.140	147.626

Bar. $(30^{\circ}37)$. Ther. $60^{\circ}0$. Run + 1.9. Images 2-3. Steadiness 2-3.

Lacaille 9352.

1882, May 26.

α				β			
h	m	r	R	h	m	r	R
18	40.9	266.420	263.956	18	52.3	169.754	172.284
19	11.3	263.970	266.479	19	1.7	172.262	169.788
19	18.4	266.472	263.984	19	31.3	169.778	172.271
19	51.8	263.981	266.482	19	42.8	172.294	169.793

Bar. $30^{\circ}34$. Ther. $60^{\circ}0$. Run + 5.1.

Sirius.

1882, May 27.

α				β			
h	m	r	R	h	m	r	R
9	50.3	144.326	141.838	10	1.2	139.699	142.196
10	38.9	141.792	144.293	10	19.2	142.184	139.668
			286.330				282.052
			286.338				282.031
in							
Bar. 30.25.		Ther. 60.4.		Run + 2.3.		Images 3.	
						Steadiness 3.	

 α_2 Centauri.

1882, May 28.

α				β			
h	m	r	R	h	m	r	R
9	40.7	150.130	147.636	9	48.6	117.739	120.220
10	12.8	147.645	150.139	9	59.6	120.214	117.740
10	26.4	150.127	147.652	10	41.6	117.744	120.245
11	3.8	147.661	150.133	10	55.0	120.226	117.756
			297.890				238.062
			297.909				238.057
			297.905				238.093
			297.919				238.085
in							
Bar. 30.02.		Ther. 51.5.		Run + 1.1.		Images 2-3.	
						Steadiness 3.	

 α_2 Centauri.

1882, May 29.

β				α			
h	m	r	R	h	m	r	R
9	53.1	117.753	120.221	10	2.0	150.127	147.654
10	21.3	120.203	117.758	10	12.0	147.663	150.128
			238.076				297.906
			238.064				297.916
in							
Bar. 30.05.		Ther. 54.0.		Run + 2.3.		Images 2.	
						Steadiness 2-3.	

 α_2 Centauri.

1882, June 13.

β				α			
h	m	r	R	h	m	r	R
11	13.8	117.847	120.266	11	25.6	150.162	147.728
11	45.2	120.286	117.852	11	34.6	147.725	150.183
12	3.9	117.860	120.292	12	17.5	150.181	147.744
12	53.8	120.300	117.873	12	36.3	147.744	150.190
			238.213				298.010
			238.234				298.027
			238.247				298.040
			238.263				298.047
in							
Bar. 30.12.		Ther. 63.8.		Run + 2.3.		Images 2.	
						Steadiness 2.	

 α_2 Centauri.

1882, June 13.

β				α			
h	m	r	R	h	m	r	R
18	27.4	117.837	120.283	18	37.7	150.191	147.746
18	55.5	120.283	117.830	18	46.9	147.737	150.172
19	4.2	117.846	120.299	19	16.3	150.152	147.707
19	42.8	120.255	117.833	19	27.0	147.704	150.143
			238.203				298.048
			238.209				298.026
			238.246				298.001
			238.223				298.001
in							
Bar. 30.16.		Ther. 59.0.		Run + 1.4.		Images 2-3.	
						Steadiness 2.	

α_2 Centauri.

1882, June 19.

β					α				
h	m	r	r	R	h	m	r	r	R
18	51'3	117'848	120'314	238'257	19	0'9	150'170	147'708	298'007
19	19'7	120'293	117'855	238'261	19	10'4	147'736	150'181	298'054
19	27'1	117'851	120'308	238'280	19	34'2	150'159	147'697	298'020
19	53'9	120'288	117'808	238'243	19	42'6	147'676	150'154	298'004

in
Bar. 30'31. Ther. 57'8. Run + 1'8. Images 1-2. Steadiness 1-2.

 ϵ Indi.

1882, June 20.

α				β					
h	m	r	R	h	m	r	R		
17	20'8	81'730	84'169	166'014	17	30'6	103'713	101'252	205'100
18	3'3	84'168	81'760	166'021	17	46'3	101'286	103'732	205'144

in
 Bar. 30'20. Ther. 47'0. Run + 3'6. Images 1-2. Steadiness 1-2.

 α_2 Centauri.

1882, June 21.

β					α				
h	m	r	r	R	h	m	r	r	R
18	7'3	117'874	120'307	238'257	18	15'1	150'152	147'728	297'980
18	37'2	120'323	117'842	238'253	18	27'9	147'720	150'172	297'998
18	45'0	117'851	120'310	238'252	18	55'3	150'151	147'712	297'986
19	22'5	120'273	117'839	238'228	19	8'8	147'691	150'149	297'975

in
Bar. 30'06. Ther. 56'3. Run + 1'8.

 ϵ Indi.

1882, June 24.

α					β				
h	m	r	r	R	h	m	r	r	R
17	46'9	81'750	84'184	166'033	17	57'5	103'721	101'270	205'111
18	34'0	84'177	81'754	166'009	18	19'4	101'287	103'709	205'105
18	45'3	81'743	84'199	166'017	18	58'1	103'735	101'290	205'116
19	16'6	84'203	81'775	166'042	19	8'4	101'278	103'753	205'119

in
Bar. 30'52. Ther. 55'0. Run + 2'2. Images 2-3. Steadiness 2-3.

 α_2 Centauri.

1882, June 24.

α				β					
h	m	r	R	h	m	r	R		
19	33'9	147'708	150'137	298'011	19	42'5	120'265	117'844	238'247
20	4'7	150'119	147'655	297'988	19	53'7	117'810	120'258	238'218
20	13'5	147'660	150'092	297'986	20	24'9	120'244	117'818	238'261
20	49'3	150'040	147'627	297'999	20	36'0	117'785	120'217	238'222

in
Bar. 30'50. Ther. 53'0. Run + 1'8. Images 2-3. Steadiness 2-3.

α_2 Centauri.

1882, June 29.

β				α			
h	m	r	R	h	m	r	R
18	37.9	117.856	120.297	18	50.6	150.131	147.677
19	16.4	120.281	117.847	19	0.8	147.690	150.137
19	31.7	117.832	120.275	19	44.0	150.140	147.688
20	5.6	120.258	117.796	19	55.8	147.655	150.118
			238.243				297.931
			238.241				297.957
			238.234				298.008
			238.221				297.972

Bar. $30^{\circ}17$. Ther. $46^{\circ}0$. Run + 2.3. Images 1-2. Steadiness 2.

 α_2 Centauri.

1882, June 30.

α				β			
h	m	r	R	h	m	r	R
18	32.7	147.658	150.096	18	44.2	120.265	117.807
19	8.5	150.089	147.647	18	58.0	117.820	120.255
19	21.0	147.648	150.082	19	35.1	120.256	117.797
19	58.3	150.062	147.607	19	47.1	117.806	120.243
			297.867				238.166
			297.875				238.177
			297.882				238.185
			297.875				238.193

Bar. $30^{\circ}30$. Ther. $43^{\circ}5$. Run + 2.5. Images 1. Steadiness 2-3.

 ϵ Indi.

1882, July 1.

β				α			
h	m	r	R	h	m	r	R
17	30.6	101.249	103.671	17	50.3	84.170	81.728
18	15.8	103.696	101.252	18	3.9	81.738	84.145
18	25.4	101.253	103.687	18	35.5	84.154	81.737
18	56.2	103.702	101.267	18	45.5	81.743	84.159
			205.055				165.995
			205.060				165.975
			205.048				165.965
			205.062				165.978

Bar. $30^{\circ}15$. Ther. $45^{\circ}0$. Run + 3.5. Images 1-2. Steadiness 1-2.

 α_2 Centauri.

1882, July 1.

β				α			
h	m	r	R	h	m	r	R
20	2.1	117.766	120.233	20	9.9	150.035	147.611
20	37.9	120.207	117.759	20	22.8	147.612	150.006
20	48.4	117.755	120.175	20	59.1	149.983	147.550
21	19.9	120.126	117.680	21	9.5	147.514	149.965
			238.161				297.871
			238.192				297.873
			238.179				297.902
			238.152				297.890

Bar. $30^{\circ}10$. Ther. $46^{\circ}5$. Run + 2.4.

 ϵ Indi.

1882, July 9.

α				β			
h	m	r	R	h	m	r	R
18	10.2	81.720	84.145	18	17.6	103.686	101.266
18	39.3	84.166	81.725	18	28.4	101.262	103.701
18	47.6	81.739	84.173	18	56.8	103.694	101.262
19	16.8	84.162	81.735	19	6.6	101.266	103.700
			165.956				205.064
			165.969				205.070
			165.987				205.050
			165.961				205.057

Bar. $30^{\circ}47$. Ther. $47^{\circ}5$. Run + 2.7. Images 1-2. Steadiness 1-2.

α_2 Eridani.

1882, July 9.

α				β			
h	m	r	R	h	m	r	R
0	23.9	242.114	244.578	0	36.3	253.680	251.233
1	1.5	244.601	242.196	0	49.5	251.240	253.682
1	10.7	242.174	244.607	1	20.7	253.724	251.288
1	41.9	244.661	242.213	1	32.5	251.289	253.746
in							
Bar. 30.39.		Ther. 40.5.		Run + 3.9.		Images 1-2.	
						Steadiness 2-3.	

 ϵ Indi.

1882, July 10.

β				α			
h	m	r	R	h	m	r	R
18	0.0	103.680	101.256	18	9.9	81.712	84.169
18	28.1	101.274	103.685	18	19.9	84.166	81.742
18	35.9	103.667	101.254	18	46.2	81.767	84.155
19	8.5	101.280	103.718	18	57.1	84.158	81.753
in							
Bar. 30.14.		Ther. 41.0.		Run + 3.7.			

 β Centauri.

1882, July 11.

*			
h	m	r	R
17	7.6	38.156	35.727
17	20.9	35.716	38.145
		73.911	73.892
in			
Bar. 30.36.		Ther. 52.0.	
		Run + 3.3.	
		Images 2-3.	
		Steadiness 2-3.	

 α_2 Centauri.

1882, July 11.

α				β			
h	m	r	R	h	m	r	R
17	35.1	150.103	147.677	17	47.4	117.842	120.255
18	9.8	147.652	150.095	18	1.1	120.299	117.834
in							
Bar. 30.38.		Ther. 51.0.		Run + 2.4.		Images 2.	
						Steadiness 2-3.	

 α_2 Eridani.

1882, July 11.

β				α			
h	m	r	R	h	m	r	R
0	16.2	253.596	251.154	0	30.2	242.086	244.568
1	22.0	251.268	253.696	1	12.7	244.636	242.190
in							
Bar. 30.38.		Ther. 48.0.		Run + 3.9.		Images 1.	
						Steadiness 2.	

α_2 Eridani.

1882, July 13.

α				β			
h	m	r	R	h	m	r	R
0	19.6	244.522	242.074	0	32.4	251.202	253.644
1	2.5	242.158	244.615	0	46.1	253.651	251.253
1	16.0	244.614	242.203	1	32.6	251.294	253.751
1	55.6	242.213	244.663	1	43.0	253.761	251.309
in							
Bar. 30.21.				Ther. 40.0.			
				Run + 2.0.			

 α_2 Eridani.

1882, July 22.

α				β			
h	m	r	R	h	m	r	R
0	51.8	244.600	242.147	1	6.0	251.238	253.709
1	28.9	242.185	244.632	1	17.3	253.736	251.271
1	37.3	244.668	242.189	1	48.4	251.282	253.766
2	6.5	242.201	244.693	1	57.2	253.748	251.309
in							
Bar. 30.19.				Ther. 49.3.			
				Run + 2.1.			
				Images 2.			
				Steadiness 3.			

 ϵ Indi.

1882, July 26.

α				β			
h	m	r	R	h	m	r	R
16	35.6	84.176	81.701	16	47.6	101.214	103.669
17	22.6	81.723	84.170	17	5.7	103.679	101.219
in							
Bar. 30.39.				Ther. 52.3.			
				Run + 4.3.			
				Images 3.			
				Steadiness 3.			

 α_2 Eridani.

1882, July 26.

β				α			
h	m	r	R	h	m	r	R
0	42.5	253.655	251.248	0	55.6	242.153	244.623
1	18.2	251.280	253.752	1	7.2	244.648	242.180
1	28.1	253.744	251.287	1	40.0	242.209	244.642
2	8.6	251.347	253.777	1	54.4	244.691	242.223
in							
Bar. 30.34.				Ther. 51.5.			
				Run + 2.8.			
				Images 2-3.			
				Steadiness 3.			

 β Centauri.

1882, July 27.

*			
h	m	r	R
16	43.1	35.726	38.149
16	53.1	38.187	35.733
in			
Bar. 30.26.			
Ther. 52.0.			
Run + 3.9.			
Images 2-3.			
Steadiness 2-3.			

α_2 Centauri.

1882, July 27.

α			β		
h	m	R	h	m	R
17	10.0	147.646	17	24.2	120.316
17	46.3	150.102	17	37.3	117.873
		147.650			120.322
		297.856			238.249
		297.843			238.266

Bar. (30.26).

Ther. 52.0.

Run + 3.2.

 α_2 Centauri.

1882, July 27.

α^1			β^1		
h	m	R	h	m	R
18	12.0	232.171	18	30.1	213.556
19	7.9	234.594	18	43.0	211.075
		232.101			213.538
		467.028			424.883
		467.040			424.871

Bar. 30.23.

Ther. 51.5.

Run + 2.8.

Images 3.

Steadiness 3.

 α_2 Eridani.

1882, July 27.

α			β		
h	m	R	h	m	R
0	53.0	242.156	1	2.6	253.712
1	27.6	244.633	1	17.0	251.263
1	35.4	242.209	1	47.8	253.767
2	8.2	244.666	1	57.6	251.324
		242.204			253.778
		487.096			505.350
		487.108			505.336
		487.121			505.340
		487.090			505.355

Bar. 30.17.

Ther. 45.5.

Run + 2.6.

Images 1-2.

Steadiness 2.

 α_2 Centauri.

1882, July 30.

β^1			α^1		
h	m	R	h	m	R
17	29.6	213.567	17	46.1	232.163
18	19.8	211.121	18	1.5	234.647
18	32.3	213.570	18	48.9	232.133
19	20.7	211.084	19	1.7	234.586
		213.515			232.111
		424.867			466.991
		424.932			467.032
		424.934			467.026
		424.911			467.029

Bar. 30.39.

Ther. 54.5.

Run + 2.7.

 α_2 Eridani.

1882, July 30.

β			α		
h	m	R	h	m	R
0	35.4	253.635	0	46.8	242.142
1	8.3	251.280	0	59.2	244.598
1	16.1	253.717	1	29.3	242.157
1	49.5	251.306	1	39.9	244.651
		253.761			242.198
		505.307			487.116
		505.342			487.101
		505.319			487.075
		505.329			487.101

Bar. 30.41.

Ther. 54.0.

Run + 2.8.

Images 1-2.

Steadiness 2.

α_2 Centauri.

1882, July 31.

α^1				β^1			
h	m	r	R	h	m	r	R
17	39.1	232.157	234.614	17	53.1	213.558	211.118
18	27.9	234.590	232.163	18	10.5	211.124	213.568
18	36.6	232.147	234.597	18	55.3	213.558	211.086
19	27.5	234.531	232.085	19	12.5	211.074	213.537

Bar. $30^{\circ}46$. Ther. $55^{\circ}8$. Run + 2.4. Images 1-2. Steadiness 2.

 β Centauri.

1882, July 31.

h	m	r	R
20	25.4	35.700	38.135
20	36.7	38.144	35.691

Bar. $(30^{\circ}45)$. Ther. $55^{\circ}5$. Run + 4.2. Images 2. Steadiness 2.

 α^2 Centauri.

1882, July 31.

α				β			
h	m	r	R	h	m	r	R
20	46.1	147.515	149.991	20	54.8	120.177	117.724
21	16.5	149.952	147.452	21	5.1	117.733	120.158

Bar. $30^{\circ}45$. Ther. $55^{\circ}5$. Run + 2.6. Images 2-3. Steadiness 3.

 β Centauri.

1882, August 1.

h	m	r	R
16	24.2	35.722	38.156
16	40.5	38.166	35.715

Bar. $30^{\circ}41$. Ther. $57^{\circ}0$. Run + 4.1. Images 2. Steadiness 2.

 α_2 Centauri.

1882, August 1.

α				β			
h	m	r	R	h	m	r	R
17	0.2	147.650	150.121	17	13.6	120.308	117.858
17	38.5	150.095	147.665	17	25.0	117.865	120.305

Bar. $30^{\circ}47$. Ther. $57^{\circ}0$. Run + 2.5. Images 2-3. Steadiness 2-3.

α_2 Centauri.

1882, August 2.

β^1					α^1									
h	m	r	r	R	h	m	r	r	R					
17	19.3	213.589	211.122	424.886	17	32.6	232.161	234.593	466.964					
18	5.1	211.105	213.563	424.882	17	50.3	234.616	232.166	467.011					
18	13.7	213.563	211.117	424.900	18	30.9	232.123	234.591	466.995					
19	0.2	211.070	213.542	424.892	18	45.1	234.559	232.148	467.009					
in														
Bar. 30.37.					Ther. 55.0.					Run + 2.5.				

Sirius.

1882, August 3.

α				β					
h	m	r	R	h	m	r	R		
1	53.2	141.931	144.333	286.388	2	8.3	142.186	139.748	282.015
2	33.7	144.372	141.907	286.381	2	20.2	139.738	142.194	282.013
2	45.0	141.904	144.384	286.387	2	53.8	142.221	139.717	282.018
3	11.8	144.366	141.929	286.387	3	3.5	139.763	142.191	282.034
in									
Bar. 30.25.				Ther. 53.0.				Run + 2.3.	
								Images 2.	
								Steadiness 3.	

 β Centauri.

1882, August 4.

α				
h	m	r	r	R
17	1.4	38.177	35.733	73.938
17	16.4	35.735	38.153	73.917
in				
Bar. 30.34.	Ther. 56.0.	Run + 4.4.	Images 2-3.	Steadiness 2-3.

 α_2 Centauri.

1882, August 4.

β					α				
^h	^m	^r	^R		^h	^m	^r	^R	
17	36.3	120.304	117.859	| 238.233	17	49.6	147.657	150.106 | 297.855	
in									
Bar. 30.34.			Ther. 55.5.		Run + 3.9.		Images 3.		Steadiness 3.

Sirius.

1882, August 4.

β				α					
h	m	r	R	h	m	r	R		
1	44.6	139.738	142.161	281.983	1	57.2	144.331	141.917	286.371
2	21.2	142.183	139.723	281.989	2	9.9	141.897	144.393	286.405
2	29.5	139.760	142.208	282.050	2	43.2	144.381	141.916	286.399
3	8.7	142.193	139.749	282.024	2	53.7	141.922	144.370	286.391
in									
Bar. 30.33.				Ther. 43.3.				Run + 2.9.	
								Images 2-3.	
								Steadiness 2.	

α_2 Centauri.

1882, August 5.

α^1			β^1		
h	m	R	h	m	R
17	19.3	232.349	17	35.1	213.690
18	13.1	234.760	17	55.0	211.239
		234.786			213.691
		232.300			425.107
		467.334			425.136
		467.320			

in
Bar. 30.27. Ther. 48.0. Run + 2.5. Images 2-3. Steadiness 3.

 α_2 Centauri.

1882, August 7.

β^1			α^1		
h	m	R	h	m	R
17	31.3	211.060	17	51.3	234.583
18	17.5	213.500	18	5.7	232.210
18	24.8	211.122	18	32.9	234.555
18	51.8	213.518	18	42.7	232.126
		211.123			234.539
		424.853			466.022
		424.853			466.998
		424.887			466.956
		424.909			466.962

in
Bar. 30.29. Ther. 55.0. Run + 3.5. Images 2-3. Steadiness 2-3.

Sirius.

1882, August 7.

α			β		
h	m	R	h	m	R
1	52.8	141.945	2	3.7	142.153
2	34.2	144.352	2	17.1	139.770
2	44.3	141.945	2	54.2	142.163
3	13.8	144.341	3	5.0	139.789
		141.981			142.145
		286.419			282.027
		286.402			282.036
		286.377			282.013
		286.415			282.015

in
Bar. 30.24. Ther. 48.0. Run + 3.4. Images 2-3. Steadiness 2-3.

 α_2 Centauri.

1882, August 11.

α^1			β^1		
h	m	R	h	m	R
17	11.6	234.599	17	28.9	211.141
17	54.6	232.211	17	43.9	213.552
18	8.9	234.604	18	21.6	211.117
18	48.9	232.191	18	38.1	213.542
		234.512			211.122
		467.002			424.869
		467.024			424.906
		466.991			424.870
		467.011			424.916

in
Bar. 30.24. Ther. 52.3. Run + 2.8. Images 2. Steadiness 2.

 ϵ Indi.

1882, August 11.

α			β		
h	m	R	h	m	R
1	40.4	84.129	1	54.7	101.215
2	26.1	81.759	2	9.2	103.649
3	3.0	84.140	2	37.9	103.623
		81.732	2	53.7	101.256
		166.031			103.680
		166.004			101.284
		166.014			205.008
					205.057
					205.038
					205.030

in
Bar. 30.10. Ther. 53.5. Run + 5.0.

α_2 Centauri.

1882, August 12.

 β^1
 α^1

h	m	r	r	R	h	m	r	r	R
17	32.4	211.151	213.547	424.882	17	48.0	234.575	232.186	466.991
18	17.1	213.515	211.128	424.869	18	3.7	232.184	234.537	466.965
18	30.7	211.127	213.526	424.894	18	40.3	234.545	232.159	466.998
18	58.0	213.493	211.117	424.885	18	50.3	232.153	234.523	466.991

in
Bar. 30.10. Ther. 53.0. Run + 3.6. Images 1-2. Steadiness 1-2.

 α_2 Centauri.

1882, August 14.

 α^1
 β^1

h	m	r	r	R	h	m	r	r	R
17	33.9	234.558	232.170	466.941	17	42.5	211.177	213.519	424.889
17	59.8	232.184	234.552	466.977	17	50.7	213.521	211.142	424.864
18	6.9	234.550	232.165	466.965	18	14.6	211.130	213.512	424.868
18	33.6	232.205	234.518	467.009	18	23.0	213.518	211.136	424.889

in
Bar. 30.43. Ther. 52.9. Run + 2.8. Images 1. Steadiness 1-2.

 α_2 Centauri.

1882, August 16.

 β^1
 α^1

h	m	r	r	R	h	m	r	r	R
17	49.3	213.554	211.138	424.892	17	57.4	232.198	234.549	466.986
18	14.3	211.128	213.523	424.876	18	5.1	234.575	232.189	467.012
18	26.0	213.532	211.134	424.904	18	37.5	232.150	234.524	466.967
19	4.9	211.113	213.495	424.897	18	53.6	234.530	232.127	466.976

in
Bar. 30.44. Ther. 52.0. Run + 2.5. Images 1-2. Steadiness 1-2.

 α_2 Eridani.

1882, August 16.

 α
 β

h	m	r	r	R	h	m	r	r	R
0	52.8	244.512	242.161	487.022	1	7.7	251.297	253.677	505.322
1	40.0	242.228	244.640	487.123	1	24.2	253.692	251.314	505.316

in
Bar. 30.42. Ther. 49.0. Run + 4.6. Images 2-3. Steadiness 3.

 ϵ Indi.

1882, August 16.

 α
 β

h	m	r	r	R	h	m	r	r	R
2	3.2	84.164	81.780	166.048	2	15.0	101.250	103.679	205.060
2	46.6	81.740	84.128	165.999	2	34.7	103.644	101.244	205.035
2	54.0	84.127	81.752	166.013	3	7.8	101.239	103.625	205.048
3	29.8	81.732	84.110	166.011	3	20.2	103.651	101.228	205.080

in
Bar. 30.41. Ther. 49.5. Run + 4.5. Images 3. Steadiness 3.

ε Indi.

1882, August 17.

α				β			
h	m	r	R	h	m	r	R
17	33.0	81.784	84.157	17	44.1	103.656	101.273
18	5.4	84.154	81.769	17	55.6	101.283	103.672
18	15.0	81.787	84.150	18	28.0	103.646	101.273
18	52.5	84.172	81.788	18	40.5	101.258	103.664

in
Bar. 30.36. Ther. 58.0. Run + 4.1. Images 3. Steadiness 3.

α₂ Centauri.

1882, August 18.

α				β			
h	m	r	R	h	m	r	R
17	30.5	147.775	150.141	17	42.3	120.340	117.971
18	7.5	150.168	147.771	17	56.0	117.943	120.354
18	23.7	147.669	150.053	18	33.1	120.285	117.894
18	51.0	150.066	147.658	18	42.6	117.887	120.277

in
Bar. 30.24. Ther. 52.0. Run + 2.9. Images 2-3. Steadiness 2-3.

β Centauri.

1882, August 18.

*

h	m	r	R
19	2.1	35.742	38.134
19	10.3	38.116	35.732

in
Bar. 30.23. Ther. 48.0. Run + 2.4.

α₂ Centauri.

1882, August 19.

β				α			
h	m	r	R	h	m	r	R
18	0.7	117.909	120.282	18	8.6	150.068	147.683
18	25.8	120.271	117.899	18	17.0	147.672	150.057
18	31.8	117.878	120.284	18	38.1	150.060	147.657
18	59.3	120.268	117.907	18	50.9	147.660	150.048

in
Bar. 30.12. Ther. 52.0. Run + 3.4. Images 2-3. Steadiness 3.

β Centauri.

1882, August 19.

*

h	m	r	R
19	13.8	35.750	38.136
19	25.1	38.110	35.754

in
Bar. 30.12. Ther. 50.0. Run + 4.4. Images 2-3. Steadiness 2-3.

Sirius.

1882, August 19.

β						α					
h	m	r	r	R		h	m	r	r	R	
1	59.5	139.774	142.171	282.026		2	13.2	144.336	141.929	286.376	
2	34.8	142.145	139.764	281.989		2	24.0	141.942	144.347	286.395	
2	41.9	139.768	142.164	282.012		2	51.4	144.336	141.974	286.406	
3	17.6	142.164	139.742	281.986		3	5.3	141.947	144.375	286.416	
in											
Bar. 30.10.		Ther. 51.5.		Run + 4.6.		Images 3.		Steadiness 3.			

 β Centauri.

1882, August 21.

*					
h	m	r	r	R	
18	24.6	38.134	35.737	73.916	
18	33.5	35.772	38.119	73.940	
in					
Bar. 30.23.		Ther. 54.0.		Run + 4.2.	
				Images 2.	
				Steadiness 2-3.	

 α_2 Centauri.

1882, August 21.

α						β					
h	m	r	r	R		h	m	r	r	R	
18	46.0	150.026	147.675	297.819		18	55.4	117.889	120.270	238.256	
19	19.0	147.627	150.034	297.807		19	7.5	120.297	117.884	238.287	
19	26.4	150.047	147.634	297.836		19	34.6	117.891	120.261	238.280	
19	52.7	147.640	150.004	297.832		19	45.4	120.236	117.839	238.214	
in											
Bar. 30.23.		Ther. 53.0.		Run + 2.9.		Images 1-2.		Steadiness 2-3.			

 ϵ Indi.

1882, August 22.

β						α					
h	m	r	r	R		h	m	r	r	R	
17	55.4	101.262	103.670	205.051		18	5.3	84.137	81.747	165.974	
18	23.3	103.662	101.292	205.060		18	14.2	81.799	84.144	166.029	
18	31.6	101.291	103.672	205.065		18	42.8	84.152	81.767	165.994	
18	56.9	103.673	101.285	205.049		18	50.5	81.770	84.165	166.006	
in											
Bar. 30.21.		Ther. 58.15.		Run + 3.8.							

 α_2 Centauri.

1882, August 23.

β						α					
h	m	r	r	R		h	m	r	r	R	
17	52.0	117.913	120.296	238.283		18	4.1	150.058	147.680	297.834	
18	25.2	120.289	117.888	238.260		18	13.9	147.642	150.049	297.792	
in											
Bar. 30.10.		Ther. 51.0.		Run + 2.2.		Images 2.		Steadiness 2-3.			

β Centauri.

1882, August 28.

*

h	m	r	r	R
18	37.3	38.136	35.729	73.915
18	46.7	35.735	38.134	73.921

Bar. $30^{\circ}11$. Ther. $50^{\circ}0$. Run + 5.5. Images 2. Steadiness 2.

 ϵ Indi.

1882, August 24.

 β α

h	m	r	r	R	h	m	r	r	R
17	49.9	103.667	101.281	205.071	17	58.8	81.789	84.153	166.035
18	18.8	101.295	103.664	205.067	18	8.1	84.158	81.787	166.034

Bar. $30^{\circ}13$. Ther. $55^{\circ}0$. Run + 5.2. Images 1. Steadiness 1-2.

 ϵ Indi.

1882, August 26.

 α β

h	m	r	r	R	h	m	r	r	R
18	3.2	84.210	81.737	166.039	18	13.7	101.233	103.697	205.040
18	32.1	81.768	84.196	166.043	18	23.3	103.699	101.271	205.072
18	42.0	84.209	81.741	166.025	18	50.6	101.234	103.716	205.044
19	10.8	81.735	84.205	166.005	19	2.0	103.726	101.223	205.039

Bar. $30^{\circ}17$. Ther. $55^{\circ}0$. Run + 6.1.

 ϵ Indi.

1882, August 31.

 β α

h	m	r	r	R	h	m	r	r	R
18	4.0	101.242	103.689	205.048	18	11.6	84.207	81.758	166.054
18	26.6	103.693	101.236	205.035	18	20.6	81.734	84.205	166.022
18	36.6	101.270	103.696	205.068	18	46.5	84.209	81.751	166.035
19	2.0	103.712	101.266	205.065	18	54.9	81.762	84.218	166.052

Bar. $30^{\circ}43$. Ther. $52^{\circ}0$. Run + 4.9. Images 2. Steadiness 2.

 α_2 Centauri.

1882, September 1.

 α β

h	m	r	r	R	h	m	r	r	R
18	7.2	150.095	147.619	297.812	18	16.1	117.844	120.342	238.267
18	39.5	147.618	150.086	297.819	18	29.4	120.336	117.872	238.294
18	46.4	150.101	147.624	297.844	18	56.7	117.856	120.323	238.278
19	18.4	147.638	150.089	297.873	19	9.0	120.334	117.843	238.284

Bar. $30^{\circ}24$. Ther. $48^{\circ}8$. Run + 4.2. Images 2. Steadiness 2-3.

α_2 Centauri.

1882, September 8.

β					α				
h	m	r	r	R	h	m	r	r	R
18	13.3	117.880	120.327	238.286	18	25.6	150.068	147.623	297.792
18	52.5	120.316	117.867	238.279	18	41.7	147.608	150.083	297.806
19	0.8	117.859	120.322	238.281	19	11.8	150.078	147.589	297.806
19	34.4	120.306	117.842	238.277	19	24.2	147.612	150.047	297.811

Bar. 30.27. Ther. 55.9. Run + 3.3. Images 2. Steadiness 3.

 ϵ Indi.

1882, September 12.

α				β					
h	m	r	R	h	m	r	R		
18	16.8	84.197	81.747	166.029	18	28.0	101.230	103.695	205.029

Bar. 30.12. Ther. 57.0. Run + 3.4.

 α_2 Centauri.

1882, September 14.

α					β				
h	m	r	R		h	m	r	R	
18	31.3	147.613	150.089	297.810	18	39.3	120.321	117.858	238.267
18	56.3	150.088	147.616	297.828	18	48.7	117.870	120.312	238.275
19	4.5	147.616	150.085	297.832	19	14.8	120.324	117.868	238.300
19	32.8	150.060	147.581	297.803	19	24.3	117.852	120.326	238.295

Bar. 30.14. Ther. 56.5. Run + 4.1. Images 1-2. Steadiness 1-2.

 ϵ Indi.

1882, September 22.

α				β					
h	m	r	R	h	m	r	R		
19	10.5	84.203	81.752	166.020	19	19.5	101.253	103.713	205.051
19	37.6	81.758	84.219	166.036	19	28.7	103.717	101.243	205.043

Bar. 30.24. Ther. 56.3. Run + 4.2.

 α_2 Centauri.

1882, September 25.

α				β					
h	m	r	R	h	m	r	R		
19	35.3	147.611	150.041	297.817	19	44.2	120.309	117.851	238.297
20	4.6	150.052	147.595	297.858	19	54.2	117.843	120.291	238.283

Bar. 30.10. Ther. 54.0. Run + 5.8.

α_2 Centauri.

1882, October 1.

β				α			
h	m	r	R	h	m	r	R
20	8.2	117.802	120.273	20	16.1	149.991	147.558
20	33.8	120.242	117.788	20	25.6	147.539	149.991
20	41.0	117.789	120.259	20	49.8	149.929	147.455
21	12.1	120.211	117.701	21	2.3	147.499	149.879
			238.227				297.757

in
Bar. 30.37. Ther. 55.0. Run + 3.3. Images 1-2. Steadiness 2.

 α_2 Centauri.

1882, October 2.

α				β			
h	m	r	R	h	m	r	R
19	50.8	147.592	150.037	20	1.8	120.262	117.693
20	16.4	149.996	147.535	20	10.2	117.828	120.274
20	24.7	147.559	149.987	20	33.9	120.279	117.790
20	50.0	149.987	147.517	20	42.2	117.760	120.244
			297.832				238.234

in
Bar. 30.19. Ther. 58.8. Run + 3.7. Images 2. Steadiness 2.

 ϵ Indi.

1882, November 9.

α				β			
h	m	r	R	h	m	r	R
1	23.3	84.210	81.808	1	33.0	101.226	103.683
1	51.8	81.777	84.200	1	43.4	103.677	101.227
1	58.9	84.206	81.793	2	13.4	101.228	103.672
			166.098				205.027

in
Bar. (30.13). Ther. 55.0. Run + 4.3. Images 1. Steadiness 1.

Sirius.

1882, November 9.

α				β			
h	m	r	R	h	m	r	R
3	53.1	144.412	141.950	4	9.2	139.703	142.177
4	29.6	141.967	144.395	4	20.2	142.177	139.755
			286.448				281.959
			286.445				282.011

in
Bar. 30.13. Ther. 54.5. Run + 3.8. Images 1-2. Steadiness 1-2.

Sirius.

1882, November 16.

α				β			
h	m	r	R	h	m	r	R
2	20.8	141.925	144.355	2	27.6	142.125	139.720
2	43.3	144.401	141.926	2	35.7	139.701	142.151
2	49.4	141.931	144.361	2	57.8	142.168	139.735
3	13.9	144.359	141.959	3	5.9	139.716	142.151
			286.387				281.925
			286.426				281.932
			286.389				281.983
			286.410				281.947

in
Bar. 30.28. Ther. 55.5. Run + 3.2. Images 1-2. Steadiness 1-2.

ε Indi.

1882, November 18.

β				α			
h	m	r	R	h	m	r	R
1	39.9	103.647	101.240	1	50.8	81.804	84.250
2	23.5	101.239	103.635	2	3.9	84.247	81.760
			204.991				166.148
			205.008				166.108

in
 Bar. 30.19. Ther. 59.0. Run + 3.1. Images 3-4. Steadiness 3-4.

Sirius.

1882, November 23.

β				α					
h	m	r	R	h	m	r	R		
2	52.3	142.174	139.702	281.956	3	0.5	141.940	144.378	286.413
3	18.7	139.738	142.142	281.960	3	10.0	144.375	141.955	286.423
3	28.3	142.157	139.728	281.965	3	37.4	141.952	144.375	286.414
3	53.5	139.719	142.158	281.957	3	45.8	144.393	141.945	286.424

in
Bar. 30.18. Ther. 55.8. Run + 1.5. Images 1. Steadiness 1.

Lacaille 9352.

1882, November 24.

α				β					
h	m	r	R	h	m	r	R		
1	42.1	264.220	266.652	531.068	1	54.8	172.228	169.757	342.112
2	11.6	266.626	264.221	531.063	2	2.7	169.778	172.190	342.099
2	17.6	264.172	266.656	531.049	2	24.6	172.176	169.760	342.076
2	45.8	266.623	264.202	531.072	2	35.3	169.772	172.243	342.162

in
 Bar. (30.08). Ther. (59.3). Run + 5.5. Images 3. Steadiness 3.

Sirius.

1882, November 24.

α				β					
h	m	r	R	h	m	r	R		
3	4.7	141.955	144.388	286.435	3	13.0	142.184	139.709	281.972
3	30.8	144.391	141.964	286.442	3	22.9	139.744	142.174	281.997
3	36.5	141.936	144.391	286.413	3	44.9	142.191	139.734	282.004
3	59.3	144.416	141.952	286.452	3	52.5	139.743	142.198	282.020

in
Bar. 30.08. Ther. 59.5. Run + 1.3. Images 3. Steadiness 3.

Sirius.

1882, November 25.

α					β				
h	m	r	r	R	h	m	r	r	R
2	7.9	141.936	144.374	286.421	2	16.3	142.169	139.726	281.974
2	38.8	144.362	141.939	286.399	2	25.8	139.744	142.165	281.987
2	46.9	141.952	144.392	286.439	2	58.3	142.166	139.735	281.979
3	16.3	144.399	141.936	286.424	3	7.4	139.714	142.170	281.962

in
Bar. 30.00. Ther. 60.5. Run + 2.7. Images 2-3. Steadiness 2-3.

Lacaille 9352.

1882, November 27.

β				α					
h	m	r	R	h	m	r	R		
1	25.9	172.233	169.794	342.143	1	37.0	264.217	266.661	531.069
2	0.3	169.761	172.232	342.122	1	51.0	266.682	264.223	531.106
2	6.7	172.232	169.764	342.127	2	18.4	264.199	266.645	531.064
2	40.3	169.757	172.211	342.117	2	28.4	266.621	264.165	531.014

in
 Bar. (30.04). Ther. 62.5. Run + 5.2. Images 2. Steadiness 2-3.

Sirius.

1882, November 27.

β				α					
h	m	r	R	h	m	r	R		
3	4.9	142.190	139.716	281.984	3	14.1	141.942	144.380	286.412
3	32.7	139.730	142.182	281.990	3	25.0	144.386	141.961	286.435
3	41.3	142.170	139.722	281.970	3	49.9	141.949	144.405	286.439
4	3.4	139.741	142.183	282.001	3	57.1	144.411	141.948	286.443

$\text{Bar. } 30.04. \quad \text{Ther. } 62.0. \quad \text{Run} + 2.5. \quad \text{Images } 2-3. \quad \text{Steadiness } 2-3.$

Lacaille 9352.

1882, November 28.

β					α				
h	m	r	r	R	h	m	r	R	
1	49.8	169.791	172.197	342.112	1	57.3	266.689	264.200	531.092
2	18.4	172.241	169.776	342.153	2	6.8	264.196	266.652	531.058
2	25.7	169.763	172.224	342.126	2	36.7	266.664	264.194	531.093
2	57.8	172.233	169.784	342.177	2	45.9	264.203	266.668	531.115

in
Bar. (30.07). Ther. 64.8. Run + 5.2. Images 2-3. Steadiness 2-3.

Sirius.

1882, November 28.

α				β					
h	m	r	R	h	m	r	R		
3	15.8	141.955	144.393	286.437	3	22.5	142.185	139.746	282.010
3	37.9	144.400	141.958	286.443	3	29.8	139.732	142.171	281.981
3	44.5	141.950	144.391	286.425	3	51.0	142.183	139.727	281.988
4	6.4	144.400	141.952	286.434	4	0.1	139.722	142.185	281.984

in
Bar. 30.07. Ther. 64.0. Run + 3.9. Images 2-3. Steadiness 2-3.

Lacaille 9352.

1882, November 29.

α				β			
h	m	r	R	h	m	r	R
1	27.3	264.179	266.655	1	36.6	172.264	169.787
1	54.0	266.644	264.200	1	45.6	169.755	172.187
2	2.2	264.237	266.652	2	9.8	172.234	169.831
2	28.2	266.720	264.190	2	19.0	169.743	172.215
in							
Bar. 30.13.				Ther. 65.0.			
				Run + 5.8.			

Sirius.

1882, December 3.

β				α			
h	m	r	R	h	m	r	R
2	37.3	139.721	142.180	2	44.2	144.388	141.954
3	4.9	142.186	139.713	2	55.7	141.934	144.402
3	13.8	139.717	142.180	3	23.6	144.395	141.952
3	40.2	142.184	139.746	3	32.7	141.950	144.394
			281.980				286.439
			281.978				286.430
			281.976				286.436
			282.009				286.433

Bar. 30.22. Ther. 60.0. Run + 3.9. Images 1-2. Steadiness 2.

Lacaille 9352.

1882, December 4.

β				α			
h	m	r	R	h	m	r	R
1	38.0	169.754	172.227	1	48.9	266.647	264.190
2	7.0	172.213	169.757	1	57.6	264.184	266.641
2	12.4	169.741	172.206	2	21.8	266.637	264.164
2	41.4	172.211	169.725	2	33.7	264.153	266.651
			342.102				531.038
			342.103				531.032
			342.083				531.027
			342.087				531.041

Bar. (30.23). Ther. (58.7). Run + 5.0. Images 1-2. Steadiness 1-2.

Sirius.

1882, December 4.

α				β			
h	m	r	R	h	m	r	R
2	58.9	141.938	144.384	3	8.1	142.145	139.709
3	25.9	144.406	141.934	3	18.5	139.701	142.191
3	30.7	141.919	144.394	3	38.9	142.185	139.701
3	52.9	144.408	141.951	3	46.5	139.712	142.175
			286.416				281.933
			286.429				281.971
			286.401				281.965
			286.445				281.966

Bar. 30.23. Ther. 58.7. Run + 2.7. Images 1-2. Steadiness 1-2.

Lacaille 9352.

1882, December 9.

α				β			
h	m	r	R	h	m	r	R
2	4.2	264.243	266.670	2	12.3	172.237	169.734
2	33.2	266.702	264.173	2	21.9	169.703	172.232
2	42.0	264.141	266.659	2	51.5	172.219	169.701
3	12.3	266.685	264.159	3	1.0	169.716	172.222
			531.117				342.102
			531.103				342.070
			531.037				342.072
			531.117				342.099

Bar. 29.93. Ther. 70.5. Run + 6.1. Images 2-3. Steadiness 2-3.

Lacaille 9352.

1882, December 13.

β				α			
h	m	r	R	h	m	r	R
2	9.1	172.211	169.692	2	22.0	264.198	266.657
2	26.2	169.725	172.171	2	32.4	266.671	264.186
2	54.8	172.199	169.733	3	6.7	264.143	266.656
3	29.9	169.711	172.185	3	18.3	266.676	264.165
			342.038				531.082
			342.039				531.093
			342.093				531.075
			342.089				531.134

Bar. 30.28. Ther. 57.0. Run + 6.5. Images 2-3. Steadiness 2-3.

Sirius.

1882, December 18.

β				α			
h	m	r	R	h	m	r	R
3	11.4	139.716	142.190	3	23.0	144.414	141.944
3	39.7	142.215	139.710	3	31.4	141.941	144.427
3	46.5	139.704	142.213	3	59.4	144.453	141.926
4	19.6	142.191	139.717	4	10.3	141.934	144.421
			281.983				286.444
			282.002				286.453
			281.994				286.461
			281.984				286.435

Bar. 29.90.

Ther. 70.0.

Run + 2.6.

Sirius.

1882, December 24.

α				β			
h	m	r	R	h	m	r	R
2	37.2	141.926	144.407	2	45.9	142.184	139.731
3	14.6	144.438	141.942	2	59.2	139.722	142.181
3	22.6	141.936	144.407	3	31.7	142.205	139.711
3	56.2	144.415	141.943	3	42.8	139.736	142.180
			286.433				281.995
			286.471				281.983
			286.432				281.996
			286.443				281.996

Bar. 30.24.

Ther. 56.8.

Run + 3.6.

Images 2-3.

Steadiness 2-3.

Sirius.

1882, December 24.

α				β			
h	m	r	R	h	m	r	R
9	17.9	141.900	144.374	9	27.9	142.165	139.684
9	54.3	141.877	144.363	9	45.8	142.170	139.668
10	2.3	144.375	141.904	10	12.5	139.671	142.129
10	31.5	141.876	144.327	10	21.2	142.157	139.659
			286.411				281.978
			286.412				281.981
			286.461				281.972
			286.441				282.000

Bar. 30.20.

Ther. 56.5.

Run + 3.7.

Images 2-3.

Steadiness 2-3.

 ϵ_2 Eridani.

1883, February 6.

α				β			
h	m	r	R	h	m	r	R
7	49.8	244.657	242.221	8	5.5	251.514	253.929
8	30.1	242.254	244.680	8	18.2	253.909	251.518
			487.015				505.588
			487.079				505.575

Bar. 29.97.

Ther. 65.8.

Run + 4.0.

Images 3.

Steadiness 3.

 ϵ_2 Eridani.

1883, February 10.

β				α			
h	m	r	R	h	m	r	R
7	26.4	253.925	251.556	7	38.8	242.213	244.620
8	1.0	251.518	253.920	7	50.5	244.590	242.236
8	10.6	253.920	251.558	8	20.6	242.223	244.615
8	43.2	251.537	253.936	8	31.1	244.642	242.215
			505.621				486.970
			505.583				486.964
			505.625				486.983
			505.624				487.003

Bar. 30.10.

Ther. 66.5.

Run + 3.5.

Images 2-3.

Steadiness 2-3.

α_2 Eridani.

1883, February 11.

α					β				
h	m	r	r	R	h	m	r	r	R
7	14.6	244.635	242.237	487.006	7	23.3	251.534	253.971	505.644
7	45.5	242.225	244.639	487.000	7	34.5	253.928	251.559	505.627
7	56.1	244.623	242.226	486.987	8	6.5	251.501	253.920	505.566
8	28.8	242.215	244.625	486.984	8	16.2	253.917	251.499	505.563

in
Bar. 29.98. Ther. 66.5. Run + 3.9. Images 2. Steadiness 2-3.

1883, February 11.

 β Centauri.

 α^2 Centauri.

* h m | r R				α h m | r R			
9 7.2	38.110	35.740	73.895	9 25.2	150.040	147.634	297.794
9 15.3	35.755	38.153	73.952	9 50.9	147.646	150.052	297.820
				β			
				9 33.4	117.865	120.293	238.256
				9 41.0	120.263	117.880	238.242

in
Bar. 29.96. Ther. 63.0. Run + 2.7.

 α_2 Eridani.

1883, February 13.

β					α				
h	m	r	r	R	h	m	r	r	R
6	34.1	253.921	251.522	505.582	6	44.4	242.224	244.644	487.002
7	5.3	251.542	253.916	505.598	6	55.2	244.615	242.218	486.967
7	13.3	253.929	251.512	505.580	7	21.4	242.206	244.621	486.962
7	49.0	251.510	253.942	505.596	7	34.6	244.642	242.222	487.000

in
Bar. 30.13. Ther. 63.8. Run + 3.7. Images 1-2. Steadiness 2-3.

 α_2 Centauri.

1883, February 13.

α^1					β^1				
h	m	r	r	R	h	m	r	r	R
8	52.1	234.456	232.045	466.918	9	1.4	211.043	213.451	424.891
9	45.0	232.116	234.489	466.928	9	22.6	213.431	211.050	424.837
9	54.0	234.456	232.113	466.877	10	4.7	211.083	213.471	424.839
10	31.2	232.168	234.532	466.960	10	17.2	213.503	211.102	424.873

in
Bar. 30.10. Ther. 64.0. Run + 3.5.

 α_2 Eridani.

1883, February 14.

α					β				
h	m	r	r	R	h	m	r	R	
6	30.1	244.616	242.207	486.957	6	41.4	251.558	253.943	505.640
7	7.7	242.231	244.629	486.994	6	53.2	253.955	251.532	505.626
7	15.9	244.647	242.192	486.974	7	27.5	251.545	253.926	505.612
8	0.3	242.220	244.627	486.986	7	43.0	253.945	251.562	505.650

in
Bar. 30.12. Ther. 64.0. Run + 4.0. Images 2-3. Steadiness 2-3.

α_2 Centauri.

1883, February 14.

β^1					α				
h	m	r	r	R	h	m	r	r	R
8	48.8	213.382	211.001	424.808	9	3.4	232.067	234.481	466.943
9	24.1	211.052	213.452	424.857	9	14.2	234.466	232.067	466.908
9	32.7	213.467	211.067	424.871	9	46.9	232.099	234.509	466.932
10	9.8	211.079	213.479	424.836	9	57.1	234.502	232.121	466.927

in
Bar. 30.12. Ther. 63.5. Run + 3.7.

 α_2 Eridani.

1883, February 15.

β				α					
h	m	r	R	h	m	r	R		
6	48.5	251.521	253.944	505.605	7	0.9	244.629	242.231	486.994
7	23.6	253.956	251.539	505.636	7	12.9	242.224	244.627	486.987

in
Bar. 30.18. Ther. 62.8. Run + 3.4. Images 2-3. Steadiness 2-3.

 α_2 Eridani.

1883, February 18.

α					β				
h	m	r	r	R	h	m	r	r	R
6	35.8	242.214	244.627	486.970	6	51.2	253.942	251.556	505.633
7	17.3	244.608	242.220	486.959	7	4.9	251.546	253.936	505.617
7	26.6	242.206	244.642	486.980	7	38.5	253.934	251.525	505.597
8	10.0	244.637	242.217	486.991	7	52.3	251.529	253.950	505.619

in
Bar. 29.89. Ther. 77.8. Run + 4.1. Images 3. Steadiness 3.

 β Centauri.

1883, February 18.

*

h	m	r	r	R
9	27.3	35.747	38.130	73.920
9	38.3	38.132	35.747	73.921

in
Bar. 29.88. Ther. 72.0. Run + 4.2. Images 2-3. Steadiness 2.

 α^2 Centauri.

1883, February 18.

β				α					
h	m	r	R	h	m	r	R		
9	49.5	117.879	120.262	238.240	9	57.7	150.016	147.671	297.808
10	20.4	120.277	117.886	238.263	10	8.3	147.664	150.040	297.825

in
Bar. 29.88. Ther. 66.0. Run + 4.1. Images 2. Steadiness 2.

α_2 Eridani.

1883, February 19.

β			α		
h	m	r	h	m	r
6	51.3	253.932	7	0.8	242.206
7	23.6	251.537	7	9.9	244.591
7	34.9	253.929	7	45.2	242.212
		251.523	7	59.5	244.621
		505.634			242.231
		505.628			486.951
		505.590			486.918
					486.967
					486.988

Bar. $29^{\circ}92$. Ther. $72^{\circ}8$. Run + 5.5. Images 2-3. Steadiness 2-3.

Sirius.

1883, February 20.

β			α		
h	m	r	h	m	r
9	22.2	139.750	9	30.3	144.350
9	48.3	142.146	9	39.7	141.954
9	55.0	139.748	10	4.5	144.342
		142.146			141.832
		282.018			(286.354)
		282.038			
		282.042			

Bar. $29^{\circ}85$. Ther. $64^{\circ}8$. Run + 3.0. Images 1-2. Steadiness 1-2.

Sirius.

1883, February 21.

α			β		
h	m	r	h	m	r
8	31.6	141.962	8	44.1	142.153
9	6.0	144.356	8	56.8	139.755
		144.358			142.150
		286.425			282.021
		286.440			282.016

Bar. $29^{\circ}95$. Ther. $60^{\circ}0$. Run + 4.3.

 α_2 Centauri.

1883, February 26.

β^1			α^1		
h	m	r	h	m	r
10	39.0	213.492	10	52.0	232.127
11	23.5	211.126	11	8.9	234.517
		211.104			232.142
		213.535			466.876
		424.835			466.877
		424.855			

Bar. $29^{\circ}95$. Ther. $65^{\circ}3$. Run + 4.0. Images 1-2. Steadiness 2.

 α_2 Centauri.

1883, February 28.

α^1			β^1		
h	m	r	h	m	r
10	17.1	232.124	10	26.0	213.497
10	48.3	234.511	10	39.1	211.080
10	59.8	232.129	11	11.4	213.519
11	32.0	234.545	11	21.3	211.107
		232.149			213.540
		466.911			424.858
		466.884			424.841
		466.884			424.864
		466.894			424.845

Bar. $30^{\circ}13$. Ther. $63^{\circ}3$. Run + 3.6.

α_2 Centauri.

1883, March 1.

 β^1 α^1

h	m	r	r	R	h	m	r	r	R
9	55.2	211.102	213.482	424.882	10	5.7	234.486	232.080	466.857
10	33.2	213.520	211.113	424.880	10	21.3	232.107	234.477	466.854
10	46.5	211.122	213.528	424.881	11	0.2	234.501	232.137	466.865
11	28.9	213.541	211.156	424.887	11	15.1	232.145	234.484	466.842

Bar. 30.07. Ther. 64.5. Run + 3.9. Images 2-3. Steadiness 2-3.

Sirius.

1883, March 3.

 α β

h	m	r	r	R	h	m	r	r	R
9	36.3	141.958	144.339	286.445	9	44.1	142.147	139.735	282.021
9	59.3	144.338	141.934	286.446	9	50.7	139.738	142.138	282.021
10	7.9	141.942	144.310	286.438	10	16.0	142.138	139.723	282.024
10	36.6	144.286	141.886	286.416	10	26.3	139.722	142.116	282.025

Bar. 30.20. Ther. 66.5. Run + 3.6. Images 2. Steadiness 2.

 α_2 Centauri.

1883, March 3.

 α^1 β^1

h	m	r	r	R	h	m	r	r	R
10	55.4	232.129	234.500	466.862	11	7.6	213.538	211.107	424.855
11	31.1	234.550	232.163	466.916	11	20.2	211.156	213.539	424.892

Bar. 30.20. Ther. 66.0. Run + 3.4. Images 2. Steadiness 2.

Sirius.

1883, March 4.

 β α

h	m	r	r	R	h	m	r	r	R
9	26.3	142.139	139.753	282.017	9	35.2	141.942	144.333	286.423
9	53.0	139.743	142.153	282.043	9	44.1	144.349	141.959	286.464
10	1.2	142.148	139.734	282.036	10	13.2	141.917	144.309	286.420
10	32.6	139.722	142.102	282.022	10	23.2	144.307	141.909	286.429

Bar. 30.12. Ther. 67.3. Run + 3.9.

 α_2 Centauri.

1883, March 6.

 β^1 α^1

h	m	r	r	R	h	m	r	r	R
10	37.4	213.507	211.112	424.860	10	52.6	232.109	234.510	466.853
11	14.0	211.130	213.530	424.862	11	1.6	234.531	232.114	466.869
11	23.7	213.544	211.173	424.911	11	35.8	232.140	234.551	466.886
12	6.4	211.140	213.536	424.837	11	52.0	234.534	232.143	466.859

Bar. 29.92. Ther. 65.0. Run + 3.2.

α_2 Centauri.

1883, March 8.

α				β					
h	m	r	R	h	m	r	R		
10	33.5	147.637	150.027	297.789	10	42.6	120.258	117.874	238.234
11	5.0	150.022	147.743	297.889	10	51.3	117.906	120.269	238.276
11	19.2	117.626	150.122	297.871	11	40.0	120.289	117.887	238.274
11	58.8	150.015	147.626	297.759	11	49.8	117.877	120.279	238.253

in

Bar. 30.17. Ther. 60.0. Run + 4.1. Images 3. Steadiness 3-4.

 β Centauri.

1883, March 8.

*				
h	m	r	r	R
12	14.0	35.757	38.132	73.915
12	28.9	38.141	35.749	73.917

in
 Bar. 30.17. Ther. 60.0. Run + 3.0. Images 3. Steadiness 3.

 α_2 Centauri.

1883, March 27.

β				α					
h	m	r	R	h	m	r	R		
11	8.1	120.269	117.884	238.253	11	17.4	147.615	150.015	297.752
11	38.8	117.889	120.271	238.257	11	27.9	150.020	147.623	297.763
11	47.1	120.278	117.885	238.260	12	2.0	147.618	150.018	297.753
12	26.5	117.886	120.284	238.263	12	16.9	150.021	147.631	297.767

in
Bar. 30.08. Ther. 63.0. Run + 4.3. Images 2. Steadiness 2.

 α_2 Centauri.

1883, April 5.

α					β				
h	m	r	r	R	h	m	r	r	R
9	28.3	147.624	150.015	297.762	9	39.5	120.287	117.883	238.271
10	3.0	150.011	147.627	297.763	9	51.5	117.873	120.269	238.244
10	14.8	147.631	150.026	297.783	10	26.5	120.287	117.888	238.278
10	49.9	150.027	147.628	297.780	10	40.9	117.889	120.271	238.263

in
Bar. 30.14. Ther. 55.0. Run + 4.3. Images 2-3. Steadiness 2-3.

 α_2 Centauri.

1883, April 5.

α				β					
h	m	r	R	h	m	r	R		
17	11.8	147.606	150.032	297.722	17	26.0	120.309	117.896	238.273
17	47.0	150.007	147.630	297.728	17	36.8	117.913	120.304	238.286
17	55.0	147.630	150.025	297.748	18	5.2	120.317	117.919	238.312
18	29.5	150.027	147.604	297.738	18	17.9	117.901	120.299	238.279

in
Bar. 30.09. Ther. 57.3. Run + 3.8. Images 2-3. Steadiness 2-3.

α_2 Centauri.

1883, April 9.

β				α					
h	m	r	R	h	m	r	R		
17	22.4	117.935	120.311	238.317	17	36.0	150.011	147.623	297.723
18	7.6	120.331	117.908	238.316	17	52.8	147.625	150.036	297.755

Bar. $30^{\circ}23$. Ther. $50^{\circ}3$. Run + 4.9. Images 3. Steadiness 3.

 α_2 Centauri.

1883, April 11.

α					β				
h	m	r	r	R	h	m	r	R	
17	24.0	150.033	147.623	297.743	17	34.1	117.906	120.309	238.285
18	4.3	147.628	150.017	297.743	17	48.8	120.306	117.916	238.295
18	16.3	150.021	147.632	297.755	18	25.9	117.926	120.301	238.310
18	53.8	147.602	150.020	297.746	18	40.2	120.304	117.900	238.294

Bar. $30^{\circ}16$. Ther. $51^{\circ}3$. Run + 3.9. Images 1-2. Steadiness 2-3.

 α_2 Centauri.

1883, April 15.

β					α				
h	m	r	r	R	h	m	r	R	
10	25.5	120.307	117.901	238.309	10	37.1	147.628	150.008	297.759
10	57.8	117.895	120.324	238.319	10	46.6	150.017	147.624	297.763
11	5.8	120.301	117.904	238.305	11	18.2	147.615	150.021	297.757
11	39.5	117.897	120.293	238.287	11	29.9	150.007	147.643	297.770

Bar. $30^{\circ}13$. Ther. $66^{\circ}3$. Run + 3.4. Images 2. Steadiness 2.

 α_2 Centauri.

1883, April 15.

β				α					
h	m	r	R	h	m	r	R		
17	13.0	120.306	117.928	238.301	17	29.2	147.622	150.026	297.735
17	54.6	117.924	120.329	238.325	17	42.3	150.041	147.626	297.756

Bar. $30^{\circ}08$. Ther. $62^{\circ}3$. Run + 3.6. Images 2-3. Steadiness 3.

 α_2 Centauri.

1883, April 16.

α				β					
h	m	r	R	h	m	r	R		
11	12.7	150.019	147.625	297.767	11	21.9	117.894	120.400	238.393
11	44.9	147.621	150.031	297.770	11	32.4	120.302	117.915	238.315

Bar. $30^{\circ}06$. Ther. $62^{\circ}0$. Run + 4.4.

α_2 Centauri.

1883, April 23.

α			β		
h	m	R	h	m	R
9	50.6	150.006	10	2.0	117.899
10	21.5	147.621	10	11.8	120.286
10	29.2	150.006	10	39.5	117.897
10	56.8	147.612	10	49.4	120.294

in
Bar. 29.95. Ther. 56.8. Run + 4.3. Images 1-2. Steadiness 2-3.

 α_2 Centauri.

1883, April 23.

α			β		
h	m	R	h	m	R
18	58.3	149.994	19	9.5	117.899
19	30.9	147.579	19	20.5	120.303
19	41.2	149.988	19	49.9	117.894
20	9.4	147.536	19	59.0	120.284

in
Bar. 29.87. Ther. 57.0. Run + 4.4. Images 2. Steadiness 2.

 α_2 Centauri.

1883, April 28.

β			α		
h	m	R	h	m	R
17	53.8	117.910	18	3.1	150.000
18	23.5	120.315	18	13.5	147.620
18	34.7	117.924	18	44.3	150.009
19	4.7	120.310	18	55.9	147.597

in
Bar. 30.18. Ther. 56.0. Run + 2.5. Images 1-2. Steadiness 2.

Lacaille 9352.

1883, April 28.

α			β		
h	m	R	h	m	R
19	19.7	264.300	19	27.2	172.008
19	46.1	266.721	19	34.8	169.641
19	56.6	264.318	20	5.0	172.051
20	22.9	266.718	20	13.7	169.662

in
Bar. 30.18. Ther. 56.0. Run + 5.9.

Sirius.

1883, April 30.

α			β		
h	m	R	h	m	R
10	5.1	144.320	10	14.4	139.734
10	34.1	141.918	10	24.5	142.120
10	39.8	144.303	10	48.3	139.717
11	4.9	141.858	10	56.1	142.096

in
Bar. 30.14. Ther. 58.3. Run + 3.6. Images 2-3. Steadiness 3.

Lacaille 9352.

1883, April 30.

β				α					
h	m	r	R	h	m	r	R		
18	49.5	171.990	169.602	341.828	19	1.6	264.287	266.665	531.265
19	24.0	169.623	172.004	341.808	19	13.6	266.682	264.322	531.292
19	30.6	172.008	169.615	341.797	19	40.2	264.290	266.707	531.240
19	58.1	169.628	172.043	341.821	19	50.7	266.697	264.337	531.264
in									
Bar. 30.09.		Ther. 49.5.		Run + 5.8.		Images 2.		Steadiness 2.	

Sirius.

1883, May 1.

β				α					
h	m	r	R	h	m	r	R		
9	46.0	142.166	139.777	282.085	9	54.3	141.929	144.336	286.435
10	16.0	139.743	142.137	282.054	10	3.1	144.320	(142.221)	(286.721)
10	25.0	142.137	139.745	282.070	10	33.6	141.902	144.256	286.397
10	55.2	139.712	142.110	282.072	10	43.5	144.298	141.898	286.460
in									
Bar. 30.08.		Ther. 60.8.		Run + 3.6.		Images 2-3.		Steadiness 2-3.	

Sirius.

1883, May 8.

α				β					
h	m	r	R	h	m	r	R		
9	8.0	141.958	144.357	286.441	9	15.8	142.150	139.765	282.034
9	32.2	144.341	141.958	286.443	9	23.1	139.770	142.156	282.049
in									
Bar. 30.05.		Ther. 67.0.		Run + 3.2.		Images 1.		Steadiness 2.	

Sirius.

1883, May 12.

β					α				
h	m	r	r	R	h	m	r	r	R
9	6.0	142.155	139.762	282.035	9	19.3	141.973	144.319	286.431
9	44.0	139.757	142.150	282.050	9	29.9	144.311	141.949	286.407
9	54.7	142.134	139.756	282.043	10	5.6	141.916	144.331	286.436
10	25.5	139.736	142.114	282.042	10	16.9	144.302	141.923	286.433
in									
Bar. 30.35.		Ther. 54.5.		Run + 3.9.					

 α_2 Centauri.

1883, May 12.

α				β					
h	m	r	R	h	m	r	R		
11	32.2	149.968	147.614	297.707	11	37.1	117.908	120.322	238.332
11	51.7	147.608	150.031	297.761	11	44.2	120.308	117.930	238.339
11	58.3	150.003	147.631	297.755	12	5.9	117.917	120.300	238.315
12	25.1	147.593	150.000	297.711	12	14.8	120.310	117.933	238.340
in									
Bar. 30.35.		Ther. 50.3.		Run + 4.5.		Images 1-2.		Steadiness 3.	

α_2 Centauri.

1883, May 12.

α					β				
h	m	r	r	R	h	m	r	R	
17	25.3	149.977	147.607	297.674	17	36.0	117.942	120.331	238.345
17	57.4	147.635	149.991	297.722	17	47.4	120.336	117.962	238.372
18	11.2	150.004	147.624	297.730	18	22.7	117.956	120.336	238.376
18	46.4	147.606	149.981	297.707	18	35.0	120.345	117.934	238.369

Bar. 30.33. Ther. 45.0. Run + 6.6. Images 1-2. Steadiness 2-3.

Lacaille 9352.

1883, May 12.

α					β				
h	m	r	r	R	h	m	r	R	
19	8.1	266.709	264.311	531.323	19	17.9	169.609	171.986	341.788
19	41.0	264.321	266.721	531.287	19	27.5	172.002	169.642	341.824
19	51.7	266.720	264.295	531.246	20	2.3	169.617	172.013	341.777
20	33.8	264.349	266.736	531.276	20	11.7	172.027	169.629	341.797

Bar. 30.30. Ther. 46.0. Run + 6.6. Images 1-2. Steadiness 2.

Sirius.

1883, May 13.

β				α					
h	m	r	R	h	m	r	R		
9	2.1	142.141	139.747	282.002	9	8.3	141.963	144.347	286.438
9	21.3	139.756	142.158	282.038	9	14.4	144.361	141.961	286.454

Bar. 30.15. Ther. 58.5. Run + 4.9. Images 1-2. Steadiness 1-2.

Sirius.

1883, May 19.

α					β				
h	m	r	r	R	h	m	r	r	R
9	26.3	144.375	141.950	286.471	9	34.5	139.735	142.200	282.071
9	50.8	141.923	144.364	286.456	9	42.5	142.162	139.748	282.052
9	57.2	144.370	141.905	286.452	10	6.0	139.738	142.170	282.073
10	27.5	141.890	144.336	286.456	10	15.4	142.159	139.711	282.047

Bar. 30.22. Ther. 51.8. Run + 4.8. Images 2. Steadiness 2.

 α_2 Centauri.

1883, May 19.

β					α				
h	m	r	r	R	h	m	r	R	
11	10.1	120.344	117.930	238.378	11	18.2	147.601	150.026	297.753
11	39.9	117.911	120.344	238.356	11	29.7	150.027	147.582	297.734
11	47.3	120.319	117.904	238.323	11	55.4	147.598	150.026	297.745
12	19.0	117.892	120.355	238.343	12	8.8	150.015	147.595	297.730

Bar. 30.23. Ther. 49.0. Run + 3.4. Images 2. Steadiness 2.

Lacaille 9352.

1883, May 19.

β					α				
h	m	r	r	R	h	m	r	r	R
19	31.4	172.018	169.594	341.790	19	41.7	264.309	266.734	531.290
20	2.2	169.606	172.043	341.798	19	53.6	266.767	264.326	531.324
20	9.7	172.037	169.617	341.797	20	25.6	264.333	266.775	531.308
20	49.0	169.603	172.041	341.795	20	41.0	266.785	264.331	531.304

in
Bar. 30.23. Ther. 41.0. Run + 5.3.

Sirius.

1883, May 20.

β				α					
h	m	r	R	h	m	r	R		
9	36.4	142.172	139.724	282.031	9	46.8	141.923	144.348	286.434
10	7.8	139.725	142.157	282.046	9	54.4	144.368	141.912	286.452
10	17.7	142.149	139.689	282.016	10	25.7	141.895	144.319	286.438
10	45.9	139.691	142.136	282.057	10	34.4	144.316	141.869	286.429

in
Bar. 30.00. Ther. 53.0. Run + 3.3. Images 2-3. Steadiness 2-3.

 α_2 Centauri.

1883, May 23.

β				α					
h	m	r	R	h	m	r	R		
9	46.6	120.339	117.893	238.333	10	0.2	147.608	150.000	297.732
10	18.5	117.909	120.321	238.333	10	10.3	150.001	147.596	297.721
10	26.3	120.350	117.921	238.374	10	38.2	147.591	150.032	297.748
10	57.3	117.903	120.347	238.352	10	47.8	150.035	147.591	297.750

in
Bar. 30.05. Ther. 55.3. Run + 4.3. Images 2. Steadiness 3.

 α_2 Centauri.

1883, May 23.

β					α				
h	m	r	r	R	h	m	r	r	R
16	49.9	120.379	117.929	238.376	16	59.5	147.598	150.036	297.718
17	20.4	117.948	120.364	238.381	17	11.8	150.031	147.622	297.740
17	28.5	120.363	117.937	238.370	17	37.7	147.602	150.036	297.728
17	55.4	117.949	120.363	238.386	17	47.3	150.026	147.595	297.713

in
Bar. 29.98. Ther. 49.0. Run + 4.7.

 α_2 Centauri.

1883, May 28.

α^1				β^1					
h	m	r	R	h	m	r	R		
17	9.9	234.535	232.095	466.816	17	19.7	211.211	213.649	425.031
17	47.7	232.103	234.477	466.802	17	31.3	213.635	211.227	425.042
17	59.2	234.493	232.090	466.818	18	10.2	211.207	213.622	425.044
18	30.4	232.044	234.476	466.794	18	19.8	213.614	211.195	425.035

in
Bar. 29.96. Ther. 57.0. Run + 5.3. Images 1-2. Steadiness 1-2.

α_2 Centauri.

1883, May 29.

β^1			α^1		
h	m	R	h	m	R
16	58.2	213.654	17	19.3	232.104
17	48.5	211.218	17	34.6	234.503
		213.625			232.107
		425.023			466.792
		425.041			466.824

in
Bar. 30.34. Ther. 52.0. Run + 5.1. Images 1-2. Steadiness 1-2.

 α_2 Centauri.

1883, May 30.

α^1			β^1		
h	m	R	h	m	R
10	23.3	234.469	10	33.1	211.182
10	56.1	232.070	10	43.2	213.609
11	6.7	234.530	11	16.4	211.216
11	41.2	232.096	11	28.0	213.609
		232.526			211.236
		466.807			425.053
		466.797			425.008
		466.839			425.065
		466.817			425.039

in
Bar. 30.15. Ther. 56.5. Run + 4.0.

 α_2 Centauri.

1883, May 30.

α^1			β^1		
h	m	R	h	m	R
17	16.9	234.522	17	27.5	211.241
17	47.2	232.072	17	39.2	213.629
17	55.7	234.493	18	12.1	211.131
18	34.0	232.060	18	21.8	213.628
		234.508			211.197
		466.859			425.042
		466.799			424.978
		466.738			424.988
		466.850			425.055

in
Bar. 30.05. Ther. 55.0. Run + 3.9.

 α_2 Centauri.

1883, June 4.

α^1			β^1		
h	m	R	h	m	R
10	39.2	232.097	10	50.1	213.632
11	9.5	234.510	10	58.9	211.189
11	21.7	232.099	11	30.6	213.660
11	51.7	234.522	11	41.7	211.211
		232.092			213.630
		466.855			425.072
		466.809			425.034
		466.776			425.106
		466.805			425.026

in
Bar. 30.25. Ther. 49.8. Run + 5.4.

 α_2 Centauri.

1883, June 10.

β^1			α^1		
h	m	R	h	m	R
10	53.5	211.233	10	59.6	234.452
11	15.1	213.630	11	6.8	232.051
11	20.9	211.190	11	29.2	234.508
11	45.4	213.653	11	37.7	232.094
		211.225			234.543
		425.081			466.746
		425.026			466.763
		425.018			466.794
		425.061			466.837

in
Bar. 30.34. Ther. 52.5. Run + 4.8. Images 2. Steadiness 2.

α_2 Centauri.

1883, June 10.

β^1					α^1				
h	m	r	r	R	h	m	r	R	
18	3'2	211'202	213'663	425'081	18	10'1	234'500	232'048	466'805
18	28'4	213'604	211'202	425'050	18	18'4	232'034	234'498	466'800
18	38'2	211'171	213'609	425'035	18	46'0	234'414	232'020	466'743
19	1'0	213'636	211'131	425'053	18	54'1	232'060	234'482	466'805

Bar. $30^{\circ}15$. Ther. $42^{\circ}3$. Run + 4'4. Images 2-3. Steadiness 2-3.

 α_2 Centauri.

1883, June 13.

α^1				β^1					
h	m	r	R	h	m	r	R		
11	10'4	232'075	234'515	466'817	11	16'8	213'631	211'210	425'051
11	32'5	234'476	232'094	466'778	11	23'4	211'237	213'644	425'085
11	39'9	232'084	234'495	466'781	11	46'5	213'652	211'239	425'075
12	1'5	234'494	232'114	466'793	11	53'7	211'233	213'665	425'077

Bar. $30^{\circ}37$. Ther. $45^{\circ}8$. Run + 4'1. Images 1. Steadiness 2.

 α_2 Centauri.

1883, June 13.

α^1					β^1				
h	m	r	r	R	h	m	r	r	R
17	53'0	232'106	234'471	466'817	17	59'9	213'655	211'241	425'113
18	17'0	234'485	232'053	466'810	18	9'2	211'203	213'649	425'078
18	22'8	232'050	234'472	466'802	18	31'6	213'620	211'211	425'083
18	55'3	234'437	232'026	466'794	18	41'5	211'213	213'634	425'111

Bar. $30^{\circ}37$. Ther. $37^{\circ}5$. Run + 4'8. Images 1. Steadiness 1-2.

 α_2 Centauri.

1883, June 18.

β^1					α^1				
h	m	r	r	R	h	m	r	r	R
11	20'2	211'212	213'622	425'040	11	25'4	234'478	232'058	466'749
11	39'4	213'659	211'243	425'091	11	32'6	232'078	234'487	466'771
11	43'4	211'234	213'646	425'066	11	50'5	234'515	232'091	466'798
12	7'9	213'657	211'242	425'067	11	59'6	232'084	234'503	466'772

Bar. $(30^{\circ}32)$. Ther. $48^{\circ}5$. Run + 4'0. Images 1-2. Steadiness 2-3.

 α_2 Centauri.

1883, June 19.

α^1					β^1				
h	m	r	r	R	h	m	r	r	R
11	27'6	232'095	234'510	466'814	11	37'3	213'622	211'248	425'059
11	49'1	234'490	232'083	466'765	11	43'3	211'235	213'653	425'073
11	56'0	232'114	234'526	466'827	12	3'2	213'669	211'247	425'086
12	17'5	234'522	232'088	466'782	12	10'8	211'253	213'656	425'074

Bar. $30^{\circ}24$. Ther. $51^{\circ}5$. Run + 3'5. Images 1-2. Steadiness 2.

α_2 Centauri.

1883, June 19.

α^1					β^1				
h	m	r	r	R	h	m	r	r	R
17	35.2	232.069	234.487	466.769	17	41.6	213.669	211.254	425.115
17	58.7	234.497	232.116	466.852	17	49.8	211.210	213.674	425.084
18	4.1	232.067	234.482	466.795	18	10.5	213.652	211.251	425.124
18	30.0	234.463	232.035	466.778	18	19.0	211.234	213.616	425.079

Bar. 30.30. Ther. 52.3. Run + 4.2. Images 2. Steadiness 2.

 α_2 Centauri.

1883, June 20.

β^1					α^1				
h	m	r	r	R	h	m	r	r	R
17	53.9	211.229	213.628	425.060	18	0.3	234.486	232.059	466.786
18	13.2	213.638	211.198	425.058	18	7.3	232.066	234.482	466.797
18	19.6	211.222	213.619	425.071	18	27.5	234.463	232.006	466.745
18	50.0	213.629	211.228	425.124	18	37.5	232.043	234.479	466.813

Bar. 30.37. Ther. 55.0. Run + 4.0.

Lacaille 9352.

1883, September 13.

α					β				
h	m	r	r	R	h	m	r	R	
18	46.0	266.793	264.346	531.494	18	53.7	169.513	171.933	341.675
19	12.8	264.402	266.794	531.488	19	3.5	171.954	169.531	341.698
19	22.0	266.804	264.394	531.472	19	31.9	169.543	171.970	341.687
19	55.0	264.429	266.838	531.492	19	43.0	171.967	169.554	341.684

Bar. 30.44. Ther. 52.5. Run + 6.0. Images 2. Steadiness 2.

Lacaille 9352.

1883, September 14.

β				α					
h	m	r	R	h	m	r	R		
18	41.2	171.952	169.509	341.714	18	49.5	264.327	266.800	531.472
19	6.7	169.513	171.949	341.669	18	59.0	266.793	264.395	531.509

Bar. 30.34. Ther. 53.0. Run + 6.1. Images 2. Steadiness 2.

Lacaille 9352.

1883, September 14.

β				α					
h	m	r	R	h	m	r	R		
2	39.5	171.963	169.546	341.662	2	56.4	264.391	266.818	531.478
3	21.1	169.517	171.976	341.680	3	11.9	266.832	264.382	531.502
3	31.3	171.981	169.517	341.695	3	41.3	264.396	266.807	531.537
4	7.4	169.519	171.937	341.702	3	56.0	266.822	264.375	531.564

Bar. 30.25. Ther. 47.8. Run + 5.6. Images 2-3. Steadiness 2-3.

Lacaille 9352.

1883, September 16.

α			β		
h	m	R	h	m	R
18	32.1	266.744	18	57.8	169.550
19	12.8	264.394	19	6.3	171.922
19	20.9	266.812	19	31.3	169.516
19	47.7	264.386	19	39.3	171.977
in					
Bar. 30.13.			Ther. 54.5.		
Run + 5.2.			Images 2-3.		
Steadiness 2-3.					

Lacaille 9352.

1883, September 19.

β			α		
h	m	R	h	m	R
18	30.6	171.901	18	42.2	264.346
19	1.6	169.518	18	52.5	266.771
19	11.8	171.947	19	20.2	264.380
19	52.6	169.554	19	42.0	266.843
in					
Bar. 30.35.			Ther. 52.5.		
Run + 6.8.					

Lacaille 9352.

1883, September 19.

β			α		
h	m	R	h	m	R
2	30.2	171.967	2	44.5	264.387
2	32.0	169.543	3	5.5	266.845
in					
Bar. 30.27.			Ther. 52.8.		
Run + 6.4.			Images 3.		
Steadiness 3.					

Lacaille 9352.

1883, September 20.

β			α		
h	m	R	h	m	R
18	43.9	171.926	18	54.8	264.368
19	11.2	169.520	19	3.7	266.790
19	22.2	171.947	19	32.7	264.435
19	55.6	169.551	19	43.3	266.813
in					
Bar. 30.13.			Ther. 56.0.		
Run + 6.4.			Images 2.		
Steadiness 2.					

Lacaille 9352.

1883, September 20.

β			α		
h	m	R	h	m	R
2	30.0	171.987	2	41.1	264.422
3	0.4	169.547	2	53.1	266.828
3	7.1	171.992	3	19.9	264.392
3	40.1	169.495	3	31.5	266.836
in					
Bar. 30.13.			Ther. 53.8.		
Run + 5.7.			Images 2.		
Steadiness 2.					

Lacaille 9352.

1883, September 24.

β					α				
h	m	r	r	R	h	m	r	r	R
18	52.8	171.927	169.510	341.665	19	5.4	264.337	266.802	531.442
19	25.2	169.508	171.958	341.645	19	14.5	266.801	264.367	531.453
19	33.5	171.958	169.544	341.672	19	45.8	264.385	266.816	531.436
20	2.4	169.534	171.942	341.621					
in									
Bar. 30.30.					Ther. 56.0.				
					Run + 6.1.				

Lacaille 9352.

1883, September 24.

β					α				
h	m	r	r	R	h	m	r	r	R
2	32.6	171.972	169.533	341.656	2	41.8	264.431	266.820	531.502
3	0.9	169.515	171.954	341.640	2	52.1	266.828	264.411	531.502
3	10.1	171.948	169.519	341.646	3	21.2	264.369	266.822	531.494
3	42.3	169.509	171.949	341.668	3	31.5	266.793	264.384	531.495
in									
Bar. 30.32.					Ther. 46.3.				
Run + 5.2.					Images 1-2.				
					Steadiness 1-2.				

Lacaille 9352.

1883, September 25.

α				β					
h	m	r	R	h	m	r	R		
18	52.3	266.780	264.361	531.473	18	57.4	169.514	171.933	341.666
19	13.3	264.386	266.808	531.478	19	3.4	171.955	169.502	341.666
19	18.1	266.838	264.414	531.528	19	24.9	169.528	171.962	341.668
19	40.5	264.376	266.842	531.458	19	31.7	171.953	169.524	341.648
in									
Bar. 30.30.				Ther. 59.0.				Run + 5.6.	
								Images 2-3.	
								Steadiness 2-3.	

Lacaille 9352.

1883, September 25.

α					β				
h	m	r		R	h	m	r	R	
2	50.7	266.870	264.345	531.470	3	6.2	169.546	171.996	341.712
3	35.0	264.420	266.823	531.559	3	21.5	171.945	169.518	341.646
in									
Bar. 30.15.					Ther. 56.8.				
Run + 7.7.					Images 3.				
					Steadiness 2.				

Lacaille 9352.

1883, September 29.

β				α					
h	m	r	R	h	m	r	R		
2	29.5	171.984	169.549	341.683	2	39.5	264.417	266.843	531.511
3	4.1	169.523	171.929	341.623	2	50.6	266.838	264.414	531.515
3	11.6	171.964	169.543	341.688	3	21.9	264.407	266.803	531.516
3	42.5	169.524	171.956	341.692	3	32.8	266.841	264.335	531.499
in									
Bar. 30.39.				Ther. 43.5.				Run + 6.6.	
								Images 2-3.	
								Steadiness 2-3.	

Lacaille 9352.

1883, September 30.

β					α				
h	m	r	r	R	h	m	r	r	R
19	21.4	169.505	171.941	341.633	19	29.3	266.852	264.417	531.530
19	41.9	171.932	169.534	341.630	19	35.3	264.385	266.821	531.458
in									
Bar. 30.44.					Ther. 52.8.				
Run + 5.7.					Images 3.				
Steadiness 3.									

Lacaille 9352.

1883, October 3.

β				α					
h	m	r	R	h	m	r	R		
19	29.8	171.971	169.531	341.672	19	42.9	264.430	266.877	531.538
19	56.3	169.510	171.962	341.618	19	50.4	266.851	264.429	531.504
20	0.8	171.953	169.504	341.599	20	8.4	264.397	266.892	531.494
20	21.5	169.543	171.985	341.657	20	14.9	266.889	264.418	531.505
in									
Bar. 30.00.				Ther. 62.4.					
Run + 4.9.				Images 3.					
Steadiness 3.									

Lacaille 9352.

1883, October 3.

β				α					
h	m	r	R	h	m	r	R		
1	26.3	171.978	169.537	341.633	1	35.3	264.429	266.907	531.529
1	54.3	169.537	171.976	341.640	1	44.0	266.887	264.432	531.517
2	2.0	171.998	169.536	341.665	2	11.1	264.423	266.898	531.538
2	27.4	169.542	171.976	341.660	2	19.8	266.906	264.454	531.584
in									
Bar. 29.96.				Ther. 53.8.					
Run + 6.1.				Images 1-2.					
Steadiness 2.									

Lacaille 9352.

1883, October 5.

α				β					
h	m	r	R	h	m	r	R		
19	52.5	266.862	264.414	531.501	20	2.4	169.515	171.985	341.644
20	15.6	264.429	266.863	531.493	20	9.6	171.966	169.522	341.627
20	21.1	266.911	264.414	531.522	20	28.7	169.515	171.984	341.627
20	47.9	264.402	266.886	531.467	20	37.7	172.003	169.543	341.669
in									
Bar. 30.32.				Ther. 57.5.					
Run + 6.2.				Images 3.					
Steadiness 3.									

Lacaille 9352.

1883, October 5.

α				β					
h	m	r	R	h	m	r	R		
1	32.9	266.897	264.422	531.512	1	42.8	169.552	172.012	341.688
2	1.6	264.399	266.864	531.474	1	52.3	171.993	169.556	341.676
2	13.8	266.860	264.394	531.474	2	25.0	169.544	171.993	341.679
3	9.0	264.340	266.819	531.438	2	41.0	172.006	169.505	341.663
in									
Bar. (30.32).				Ther. 57.3.					
Run + 6.6.				Images 2-3.					
Steadiness 2-3.									

Lacaille 9352.

1883, October 12.

β				α					
h	m	r	R	h	m	r	R		
1	33.0	171.991	169.527	341.641	1	42.1	264.424	266.890	531.515
2	2.7	169.516	171.999	341.650	1	50.3	266.890	264.433	531.530
2	9.5	171.974	169.524	341.635	2	23.2	264.429	266.860	531.521
2	45.5	169.520	171.950	341.627	2	36.5	266.860	264.408	531.512
in									
Bar. 30.15.				Ther. 47.0.					
Run + 7.3.				Images 2.					
				Steadiness 2.					

Lacaille 9352.

1883, October 14.

α					β				
h	m	r	r	R	h	m	r	r	R
2	8.9	264.407	266.883	531.504	2	18.2	172.002	169.518	341.658
2	33.5	266.879	264.416	531.530	2	25.5	169.520	171.985	341.646
2	41.5	264.415	266.883	531.541	2	51.3	171.975	169.549	341.681
3	9.3	266.867	264.367	531.510	2	59.6	169.485	171.990	341.639
in									
Bar. 30.07.					Ther. 58.0.				
Run + 5.6.									

ε Indi.

1883, October 21.

α				β							
h	m	r	R	h	m	r	R				
0	47.6	84.355	81.923	166.349	0	54.5	101.050	103.523	204.655		
1	9.3	81.928	84.370	166.376	1	2.0	103.510	101.084	204.679		
1	16.3	84.352	81.924	166.357	1	25.6	101.052	103.531	204.679		
1	46.3	81.920	84.350	166.364	1	37.0	103.550	101.101	(204.753)		
in											
Bar. 30.17.				Ther. 54.5.		Run + 3.8.		Images 2-3.		Steadiness 3.	

ε Indi.

1883, October 22.

β				α					
h	m	r	R	h	m	r	R		
0	44.6	103.513	101.092	204.683	0	52.5	81.928	84.362	166.362
1	5.9	103.516	101.098	204.701	1	15.0	81.936	84.367	166.383
1	22.3	103.497	101.086	204.678	1	29.3	81.908	84.355	166.349
1	40.9	101.071	103.491	204.666	1	35.1	84.345	81.927	166.360
in									
Bar. 30.07.				Ther. 54.0.					
Run + 4.4.				Images 2.					
				Steadiness 2-3.					

ε Indi.

1883, October 28.

α				β					
h	m	r	R	h	m	r	R		
0	53.9	84.345	81.941	166.358	1	5.9	101.065	103.548	204.699
1	40.1	81.911	84.354	166.354	1	24.3	103.529	101.091	204.715
in									
Bar. 30.27.				Ther. 62.3.					
Run + 5.3.				Images 3.					
				Steadiness 3.					

ε Indi.

1883, October 29.

α					β				
h	m	r	r	R	h	m	r	r	R
1	1'7	81'939	84'367	166'379	1	11'5	103'522	101'080	204'689
1	37'0	84'376	81'940	166'403	1	23'5	101'059	103'521	204'672
1	45'7	81'924	84'358	166'372	2	0'1	103'514	101'057	204'684
2	26'8	84'342	81'917	166'372	2	12'7	101'069	103'465	204'657

Bar. ⁱⁿ 30'04. Ther. 66°5. Run + 5'0. Images 2-3. Steadiness 2-3.

ε Indi.

1883, November 6.

β				α					
h	m	r	R	h	m	r	R		
1	31'2	101'055	103'480	204'634	1	42'4	84'353	81'937	166'382
2	6'7	103'515	101'046	204'683	1	54'1	81'929	84'336	166'362
2	14'3	101'059	103'484	204'670	2	23'9	84'355	81'876	166'345
2	44'2	103'466	101'045	204'664	2	34'3	81'917	84'332	166'370

Bar. ⁱⁿ 30'20. Ther. 54°0. Run + 4'7. Images 1-2. Steadiness 2.

**ELKIN'S
HELIOMETER OBSERVATIONS.**

HELIOMETER OBSERVATIONS FOR STELLAR PARALLAX.

MR. ELKIN'S OBSERVATIONS.

α_2 Centauri.

1881, March 7.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	r	R
8	38.6	194.269	192.192	386.569	9	2.0	243.136	241.170	484.442
8	49.9	192.257	194.288	386.651	9	10.8	241.148	243.191	484.473
9	40.9	194.234	192.248	386.589	9	24.2	243.170	241.146	484.448
9	47.8	192.275	194.260	386.643	9	30.6	241.149	243.151	484.431

in
Bar. 30.01. Ther. 69.9. Run + 2.6. Images 2. Steadiness 2.

ζ Tucanae.

1881, March 11.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	R	
7	29.0	195.577	197.550	393.448	7	44.9	200.613	202.699	403.697
7	35.3	197.596	195.560	393.501	7	54.0	202.655	200.672	403.759
8	26.1	195.407	197.515	393.542	8	8.9	200.616	202.680	403.818
8	33.9	197.455	195.364	393.495	8	16.8	202.659	200.637	403.872

in
Bar. 29.97. Ther. 70.4. Run + 4.2. Images 2. Steadiness 2-3. F.P. 9.58.

Sirius.

1881, March 11.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	R	
9	38.3	194.951	196.915	391.996	9	20.3	191.658	193.645	385.427
9	46.3	196.860	194.904	391.897	9	27.5	193.646	191.623	385.396
9	56.8	194.981	196.859	391.977	10	11.8	191.587	193.596	385.333
10	2.5	196.918	194.835	391.894	10	19.4	193.657	191.580	385.394

in
Bar. 29.98. Ther. 73.0. Run + 3.4. Images 2. Steadiness 2. F.P. 9.58.

α_2 Centauri.

1881, March 11.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	R	
10	47.8	192.185	194.216	386.519	11	18.5	241.065	243.094	484.304
10	56.6	194.253	192.201	386.574	11	27.8	243.091	241.042	484.281
12	11.0	192.173	194.178	386.482	11	40.5	241.074	243.089	484.313
12	16.1	194.140	192.136	386.457	11	46.1	243.101	241.047	484.299

in
Bar. 29.98. Ther. 71.7. Run + 3.9. Images 2. Steadiness 2. F.P. 9.58.

ζ Tucanae.

1881, March 12.

<i>b</i>				<i>a</i>											
<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>								
7	15.3	200.704	202.712	403.690	7	28.6	195.553	197.611	393.487						
7	20.4	202.768	200.766	403.825	7	35.1	197.630	195.489	393.466						
8	2.2	200.559	202.624	403.667	7	45.5	195.475	197.478	393.344						
8	9.7	202.581	200.628	403.741	7	52.6	197.506	195.491	393.422						
in															
Bar. 30.04.				Ther. 65.4.				Run + 2.9.		Images 3.		Steadiness 3.		F.P. 9.58.	

Sirius.

1881, March 12.

<i>a</i>				<i>b</i>											
<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>								
9	36.8	194.932	196.896	391.960	9	52.9	191.668	193.595	385.403						
9	43.9	196.910	194.850	391.893	10	2.2	193.581	191.569	385.296						
10	29.0	194.895	196.878	391.933	10	13.1	191.619	193.618	385.390						
10	35.6	196.844	194.850	391.864	10	19.9	193.609	191.607	385.375						
in															
Bar. 30.05.				Ther. 65.6.				Run + 3.9.		Images 2-3.		Steadiness 3.		F.P. 9.58.	

 ϵ Eridani.

1881, March 16.

<i>a</i>				<i>b</i>					
<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>		
7	57.7	254.545	256.614	511.360	8	14.0	268.129	270.213	538.541
8	4.8	256.584	254.501	511.287	8	20.8	270.240	268.131	538.571
8	50.1	254.527	256.583	511.319	8	32.5	268.145	270.202	538.548
8	56.9	256.579	254.507	511.295	8	40.4	270.207	268.140	538.548
in									
Bar. 30.15. Ther. 58.8. Run + 3.0.				Images 1. Steadiness 2. F.P. 9.70.					

Sirius.

1881, March 16.

<i>b</i>					<i>a</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>
9	26.8	191.614	193.670	385.415	9	45.6	194.857	196.880	391.874
9	35.0	193.671	191.638	385.443	9	53.4	196.917	194.865	391.922
10	20.9	191.591	193.657	385.410	10	4.3	194.822	196.910	391.879
10	27.6	193.630	191.629	385.428	10	10.6	196.916	194.814	391.881
ⁱⁿ Bar. 30.16. Ther. 56.7. Run + 0.5.					Images 1. Steadiness 2. F.P. 9.70.				

 α_2 Centauri.

1881, March 17.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
9	5.6	241.042	243.080	484.260	9	20.4	192.132	194.131	386.371
9	11.6	243.154	241.056	484.347	9	27.9	194.193	192.197	386.499
9	58.0	241.089	243.096	484.320	9	38.3	192.158	194.252	386.520
10	4.7	243.102	241.056	484.294	9	46.9	194.250	192.136	386.497
in									
Bar. 30.18. Ther. 60.4. Run + 2.7.					Images 2. Steadiness 3. F.P. 9.70.				

Canopus.

1881, March 17.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
10	43.3	45.323	47.369	92.751	11	1.4	52.699	54.797	107.574
10	50.7	47.377	45.305	92.743	11	9.3	54.811	52.735	107.629
11	45.2	45.326	47.394	92.801	11	26.7	52.736	54.778	107.607
11	52.1	47.328	45.294	92.706	11	35.9	54.788	52.752	107.639

in
Bar. 30.17. Ther. 60.4. Run + 3.3. Images 2-3. Steadiness 2-3. F.P. 9.70.

Sirius.

1881, March 18.

a				b					
h	m	r	R	h	m	r	R		
8	50.1	196.880	194.864	391.863	9	13.2	193.675	191.605	385.406
8	56.4	194.867	196.912	391.899	9	20.3	191.613	193.700	385.441
9	45.6	196.913	194.854	391.904	9	30.1	193.666	191.612	385.409
9	53.9	194.899	196.936	391.975	9	36.8	191.612	193.677	385.424

in
Bar. 30.05. Ther. 56.9. Run + 1.5. Images 1. Steadiness 2. F.P. 9.70.

 α₂ Centauri.

1881, March 19.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	R	
9	53.9	194.193	192.142	386.446	10	7.9	243.113	241.046	484.295
9	59.9	192.136	194.221	386.470	10	14.5	241.048	243.145	484.330
10	41.7	194.207	192.199	386.527	10	25.7	243.095	241.063	484.296
10	47.2	192.156	194.215	386.492	10	32.2	241.057	243.099	484.296

in
Bar. 29.98. Ther. 59.6. Run + 3.1. Images 1. Steadiness 2-3. F.P. 9.70.

Canopus.

1881, March 19.

a					b				
h	m	r	r	R	h	m	r	r	R
11	31.2	52.730	54.783	107.608	11	44.1	45.296	47.404	92.781
11	37.3	54.790	52.724	107.614	11	50.9	47.379	45.319	92.781
12	15.4	52.719	54.732	107.582	12	1.2	45.302	47.350	92.741
12	21.4	54.779	52.669	107.587	12	7.8	47.341	45.297	92.730

in
Bar. 29.97. Ther. 59.7. Run + 2.7. Images 1. Steadiness 2. F.P. 9.70.

ε Eridani.

1881, March 22.

b					a				
h	m	r	r	R	h	m	r	r	R
8	14.6	268.137	270.218	538.551	8	31.9	254.574	256.589	511.367
8	20.7	270.187	268.161	538.544	8	42.8	256.629	254.578	511.412
9	15.1	268.198	270.215	538.609	8	57.7	254.536	256.581	511.322
9	23.0	270.218	268.153	538.566	9	6.4	256.611	254.488	511.304

in
Bar. 29.91. Ther. 63.1. Run + 3.1. Images 3. Steadiness 2. F.P. 9.70.

α_2 Centauri.

1881, March 22.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
11	14.1	241.045	243.121	484.313	11	32.0	192.152	194.211	386.492
11	21.9	243.137	241.114	484.399	11	39.5	194.220	192.144	386.495
12	21.3	241.119	243.173	484.450	11	51.4	192.115	194.240	386.486
12	28.6	243.116	241.069	484.344	12	2.3	194.246	192.129	386.507

in
Bar. 29.90. Ther. 59.6. Run + 3.7. Images 3. Steadiness 3. F.P. 9.70.

Sirius.

1881, March 24.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
9	23.7	193.518	191.586	385.232	9	37.7	196.909	194.830	391.873
9	30.0	191.582	193.677	385.393	9	44.6	194.880	196.945	391.962
10	12.8	193.629	191.626	385.411	9	55.5	196.909	194.885	391.935
10	20.4	191.617	193.665	385.444	10	3.8	194.901	196.869	391.917

in
Bar. 30.25. Ther. 59.1. Run + 2.0. Images 3. Steadiness 3. F.P. 9.70.

 α_2 Centauri.

1881, March 24.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
10	47.0	243.081	241.071	484.296	11	4.8	194.231	192.161	386.517
10	55.3	241.067	243.092	484.304	11	13.6	192.190	194.208	386.525
11	41.9	243.106	241.032	484.292	11	24.2	194.194	192.115	386.437
11	49.2	241.021	243.111	484.287	11	31.0	192.139	194.225	386.494

in
Bar. 30.23. Ther. 59.8. Run + 4.0. Images 2-3. Steadiness 2-3. F.P. 9.70.

 α_2 Centauri.

1881, March 25.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	r	R
9	50.8	194.199	192.167	386.476	10	7.6	243.092	241.060	484.286
9	57.4	192.136	194.198	386.445	10	16.8	241.061	243.099	484.296
10	47.0	194.223	192.157	386.500	10	30.2	243.108	241.059	484.305
10	56.1	192.164	194.219	386.505	10	38.2	241.051	243.113	484.305

in
Bar. 29.94. Ther. 65.1. Run + 2.1. Images 2. Steadiness 2-3. F.P. 9.70.

Sirius.

1881, March 30.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	r	R
9	9.8	194.912	196.969	392.005	9	25.7	191.615	193.666	385.410
9	17.2	196.975	194.871	391.972	9	32.0	193.696	191.594	385.422
9	56.5	194.932	196.928	392.002	9	41.9	191.638	193.686	385.461
10	4.6	196.961	194.873	391.980	9	47.5	193.647	191.576	385.363

in
Bar. 30.15. Ther. 58.3. Run + 1.5. Images 1. Steadiness 2. F.P. 9.70.

α_2 Centauri.

1881, March 30.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	r	R
10	30.0	241.037	243.141	484.319	10	47.5	192.151	194.207	386.480
10	37.0	243.111	241.064	484.319	10	56.0	194.216	192.139	386.479
11	29.9	241.037	243.134	484.323	11	8.7	192.131	194.234	386.491
11	38.2	243.129	241.025	484.309	11	16.6	194.232	192.166	386.525

in
Bar. 30.15. Ther. 58.4. Run + 3.5. Images 1-2. Steadiness 2. F.P. 9.70.

e Eridani.

1881, April 1.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	r	R
8	20.4	256.598	254.465	511.271	8	40.9	270.312	268.099	538.614
8	28.9	254.551	256.599	511.359	8	53.0	268.100	270.289	538.592
9	29.2	256.670	254.534	511.410	9	5.2	270.201	268.145	538.547
9	35.7	254.554	256.644	511.403	9	14.7	268.146	270.292	538.638

in
Bar. 30.13. Ther. 54.8. Run + 3.6. Images 3-4. Steadiness 4. F.P. 9.70.

e Eridani.

1881, April 2.

<i>b</i>					<i>a</i>				
h	m	r	R		h	m	r	R	
8	26.2	270.182	268.095	538.481	8	38.2	256.591	254.513	511.315
8	31.5	268.081	270.205	538.490	8	42.9	254.491	256.602	511.304
9	2.7	270.204	268.120	538.528	8	50.5	256.569	254.491	511.271
9	7.5	268.103	270.195	538.501	8	55.7	254.497	256.585	511.293

in
Bar. 30.31. Ther. 54.3. Run + 4.9. Images 1. Steadiness 2. F.P. 9.70.

Sirius.

1881, April 2.

<i>b</i>					<i>a</i>				
h	m	r	R		h	m	r	R	
9	25.0	193.658	191.611	385.400	9	41.8	196.927	194.864	391.929
9	32.8	191.598	193.676	385.408	9	49.1	194.825	196.933	391.899
10	19.4	193.680	191.557	385.401	10	3.6	196.910	194.851	391.910
10	25.9	191.557	193.641	385.367	10	11.1	194.856	196.925	391.934

in
Bar. 30.33. Ther. 54.2. Run + 1.0. Images 1. Steadiness 1. F.P. 9.70.

Sirius.

1881, April 4.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	r	R
10	29.4	196.903	194.848	391.917	10	48.0	193.678	191.563	385.433
10	36.8	194.843	196.956	391.973	10	54.4	191.579	193.711	385.490
11	22.0	196.932	194.825	391.997	11	4.8	193.629	191.566	385.411
11	28.3	194.860	196.875	391.991	11	13.5	191.557	193.619	385.409

in
Bar. 30.27. Ther. 59.8. Run + 0.9. Images 3. Steadiness 3. F.P. 9.70.

ϵ Indi.

1881, April 4.

<i>h.</i>			<i>a</i>		
<i>h</i>	<i>m</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>R</i>
17	37.8	202.004	17	56.4	228.709
17	45.9	204.117	18	7.5	230.766
18	28.6	202.063	18	15.2	228.677
18	33.7	204.100	18	20.7	230.776
		204.127			228.777
		406.353			459.718
		406.326			459.688
		406.321			459.719
		406.257			459.690

Bar. 30.19. Ther. 59.4. Run + 1.5. Images 2. Steadiness 2-3. F.P. 9.70.

Sirius.

1881, April 6.

<i>a</i>			<i>b</i>		
<i>h</i>	<i>m</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>R</i>
9	28.7	196.936	9	42.3	193.678
9	34.9	194.827	9	49.2	191.596
10	17.4	196.926	9	57.8	193.708
10	23.0	194.809	10	3.7	191.593
		196.954			193.694
		391.928			385.421
		391.939			385.410
		391.900			385.413
		391.921			385.435

Bar. 30.13. Ther. 61.9. Run + 2.0. Images 2. Steadiness 2. F.P. 9.70.

 α_2 Centauri.

1881, April 6.

<i>a</i>			<i>b</i>		
<i>h</i>	<i>m</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>R</i>
10	45.8	192.144	11	2.0	241.023
10	51.7	194.275	11	7.6	243.143
11	31.7	192.138	11	15.3	241.039
11	40.3	194.265	11	21.7	243.122
		192.119			241.028
		386.543			484.332
		386.536			484.312
		386.528			484.310
		386.514			484.298

Bar. 30.12. Ther. 61.8. Run + 2.6. Images 1. Steadiness 2. F.P. 9.72.

Sirius.

1881, April 7.

<i>b</i>			<i>a</i>		
<i>h</i>	<i>m</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>R</i>
8	38.8	191.573	8	53.4	194.819
8	46.1	193.719	8	58.9	196.994
9	23.8	191.583	9	7.9	194.839
9	31.3	193.711	9	14.9	196.951
		191.584			194.858
		385.394			391.910
		385.411			391.958
		385.412			391.933
		385.428			391.935

Bar. 30.18. Ther. 58.3. Run + 3.4. Images 2. Steadiness 2. F.P. 9.72.

 α_2 Centauri.

1881, April 7.

<i>b</i>			<i>a</i>		
<i>h</i>	<i>m</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>R</i>
9	54.6	243.156	10	10.0	194.278
10	1.4	241.013	10	16.8	192.143
10	42.1	243.130	10	25.7	194.248
10	50.8	241.024	10	31.6	192.138
		243.158			194.258
		484.266			386.506
		484.331			386.544
		484.289			386.501
		484.327			386.516

Bar. 30.19. Ther. 57.4. Run + 1.7. Images 2. Steadiness 2. F.P. 9.72.

Sirius.

1881, April 9.

a				b			
h	m	r	R	h	m	r	R
9	6.9	194.833	196.957	9	23.3	191.632	193.685
9	14.7	196.943	194.848	9	29.6	193.690	191.599
9	52.5	194.819	196.933	9	39.0	191.539	193.704
9	58.7	196.972	194.826	9	45.2	193.699	191.553

Bar. 30.15. Ther. 58.0. Run + 3.9. Images 2. Steadiness 2. F.P. 9.72.

Canopus.

1881, April 9.

a				b			
h	m	r	R	h	m	r	R
10	25.4	52.712	54.863	10	40.4	45.282	47.406
10	31.9	54.850	52.735	10	47.6	47.387	45.284
11	14.2	52.734	54.828	11	2.1	45.291	47.363
11	21.4	54.830	52.707	11	8.3	47.407	45.294

Bar. 30.15. Ther. 58.2. Run + 2.2. Images 2. Steadiness 2. F.P. 9.72.

ε Indi.

1881, April 9.

a				b			
h	m	r	R	h	m	r	R
17	59.8	230.764	228.551	18	17.5	204.183	201.863
18	5.0	228.566	230.873	18	24.1	201.884	204.182
18	45.5	230.838	228.519	18	31.9	204.197	201.876
18	51.8	228.523	230.828	18	38.2	201.901	204.178

Bar. 30.11. Ther. 58.6. Run + 1.6. Images 2. Steadiness 2.

Sirius.

1881, April 10.

b				a			
h	m	r	R	h	m	r	R
8	52.6	193.790	191.492	9	6.0	196.999	194.750
8	58.7	191.493	193.805	9	11.3	194.771	197.065
9	32.7	193.768	191.504	9	19.4	197.046	194.754
9	39.6	191.496	193.792	9	25.2	194.755	197.031

Bar. 30.07. Ther. 56.0. Run + 2.6. Images 2. Steadiness 2. F.P. 9.72.

 α₂ Centauri.

1881, April 10.

a				b			
h	m	r	R	h	m	r	R
9	59.3	192.071	194.331	10	16.4	240.956	243.253
10	6.8	194.329	192.046	10	22.1	243.234	240.956
10	45.1	192.058	194.317	10	30.6	240.942	243.241
10	51.8	194.344	192.064	10	36.6	243.240	240.950

Bar. 30.07. Ther. 54.9. Run + 3.2. Images 2. Steadiness 2. F.P. 9.72.

Sirius.

1881, April 12.

a				b			
h	m	r	R	h	m	r	R
8	58.1	194.784	197.045	9	12.0	191.544	193.801
9	4.7	197.039	194.781	9	20.0	193.818	191.557
9	55.9	194.805	197.016	9	41.3	191.501	193.706
10	3.8	197.004	194.765	9	46.9	193.754	191.515
			391.949				385.471
			391.942				385.503
			391.964				385.404
			391.916				385.409

in
Bar. 30.13. Ther. 58.5°. Run + 1.5. Images 2. Steadiness 2. F.P. 9.74.

 α_2 Centauri.

1881, April 12.

b				a			
h	m	r	R	h	m	r	R
10	30.6	243.169	240.950	10	38.4	192.069	194.318
10	53.1	240.941	243.208	10	45.4	194.310	192.070
11	1.2	243.193	240.956	11	8.9	192.061	194.342
11	29.0	240.974	243.213	11	19.1	194.315	192.091
			484.261				386.508
			484.295				386.502
			484.297				386.530
			484.340				386.535

in
Bar. 30.13. Ther. 54.9°. Run + 2.6. Images 2. Steadiness 3. F.P. 9.74.

 ϵ Indi.

1881, April 12.

a				b			
h	m	r	R	h	m	r	R
16	46.6	228.502	230.780	17	1.1	201.864	204.125
16	53.2	230.748	228.525	17	6.7	204.107	201.885
17	32.3	228.561	230.810	17	17.8	201.887	204.137
17	38.4	230.786	228.618	17	24.4	204.091	201.900
			459.669				406.273
			459.640				406.265
			459.646				406.278
			459.667				406.233

in
Bar. 30.13. Ther. 57.0°. Run + 3.2. Images 2. Steadiness 3. F.P. 9.74.

 ζ Tucanae.

1881, April 12.

a				b			
h	m	r	R	h	m	r	R
18	1.8	197.774	195.517	18	18.9	202.916	200.675
18	8.2	195.536	197.796	18	27.6	200.674	202.944
18	54.4	197.775	195.598	18	38.8	202.920	200.710
19	0.3	195.574	197.789	18	45.5	200.693	202.907
			393.409				403.712
			393.447				403.736
			393.483				403.745
			393.474				403.715

in
Bar. 30.14. Ther. 56.9°. Run + 3.0. Images 2-3. Steadiness 3. F.P. 9.74.

Sirius.

1881, April 14.

b				a			
h	m	r	R	h	m	r	R
8	51.3	193.634	191.488	9	9.1	196.882	194.743
9	1.1	191.490	193.661	9	15.3	194.744	196.938
9	42.5	193.649	191.469	9	25.0	196.885	194.723
9	48.3	191.465	193.629	9	32.7	194.743	196.897
			385.242				391.749
			385.272				391.809
			385.257				391.737
			385.235				391.772

in
Bar. 30.09. Ther. 53.5°. Run + 2.1. Images 2-3. Steadiness 3. F.P. 8.75.

Sirius.

1881, April 20.

<i>a</i>				<i>b</i>					
<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>		
8	50.8	196.918	194.718	391.756	9	5.5	193.672	191.504	385.301
8	58.2	194.685	196.887	391.693	9	11.4	191.470	193.653	385.249
9	35.4	196.878	194.755	391.767	9	20.3	193.648	191.450	385.227
9	42.3	194.750	196.895	391.783	9	27.1	191.483	193.638	385.253

in
Bar. 30.36. Ther. 54.8. Run + 1.3. Images 2. Steadiness 2. F.P. 8.75.

 α_2 Centauri.

1881, April 20.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	
10	5.8	194.202	192.045	386.363	10	24.3	243.062	240.883	484.088
10	13.0	192.021	194.211	386.351	10	31.3	240.907	243.080	484.131
10	56.0	194.209	191.998	386.333	10	41.2	243.077	240.909	484.132
11	2.5	192.028	194.237	386.392	10	46.8	240.898	243.078	484.123

in
Bar. 30.39. Ther. 54.0. Run + 2.3. Images 1. Steadiness 2. F.P. 8.75.

 ϵ Indi.

1881, April 20.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
17	3.3	203.981	201.827	406.093	17	19.3	230.649	228.505	459.461
17	9.6	201.839	204.020	406.131	17	25.6	228.501	230.680	459.474
17	49.2	204.058	201.856	406.123	17	35.4	230.685	228.504	459.464
17	56.2	201.870	204.053	406.125	17	41.4	228.545	230.670	459.478

in
Bar. 30.42. Ther. 52.9. Run + 3.6. Images 2. Steadiness 3. F.P. 8.75.

 ζ Tucanae.

1881, April 20.

<i>b</i>				<i>a</i>					
<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>		
18	17.9	200.650	202.803	403.577	18	35.6	195.501	197.677	393.291
18	25.5	202.802	200.655	403.577	18	42.1	197.667	195.521	393.300
19	11.4	200.652	202.819	403.587	18	54.8	195.548	197.708	393.369
19	18.5	202.798	200.612	403.526	19	1.4	197.655	195.501	393.269

in
Bar. 30.44. Ther. 53.1. Run + 2.1. Images 3. Steadiness 3. F.P. 8.75.

Sirius.

1881, April 21.

b					a				
h	m	r	r	R	h	m	r	R	
9	25.1	191.477	193.636	385.242	9	38.8	194.792	196.914	391.841
9	31.6	193.672	191.466	385.272	9	44.5	196.871	194.724	391.733
10	9.5	191.478	193.635	385.257	9	54.1	194.760	196.902	391.804
10	16.1	193.632	191.494	385.286	10	0.5	196.855	194.702	391.703

in
Bar. 30.49. Ther. 59.2. Run + 1.7. Images 2-3. Steadiness 2-3. F.P. 8.75.

Canopus.

1881, April 22.

<i>b</i>				<i>a</i>					
h	m	r	R	h	m	r	R		
9	47.7	45.286	47.450	92.781	10	1.1	52.711	54.868	107.635
9	53.3	47.456	45.259	92.760	10	7.0	54.873	52.712	107.643
10	26.9	45.290	47.451	92.795	10	15.0	52.721	54.861	107.642
10	32.8	47.461	45.293	92.810	10	21.0	54.892	52.730	107.684
in									
Bar. 30.41.		Ther. 60.7.		Run + 2.0.		F.P. 9.75.			

in
Bar. 30.41.

Ther. 60.7.

Run + 2.0.

F.P. 9.75.

 α_2 Centauri.

1881, April 22.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	r	R
10	53.8	241.013	243.252	484.411	11	9.3	192.130	194.323	386.580
11	0.4	243.213	241.048	484.408	11	14.7	194.306	192.121	386.555
11	40.0	241.056	243.205	484.416	11	25.1	192.142	194.292	386.564
11	46.3	243.213	241.041	484.410	11	31.1	194.298	192.158	386.587

in
Bar. 30.39. Ther. 59.0. Run + 3.3. Images 2-3. Steadiness 2. F.P. 9.75. ϵ Indi.

1881, April 22.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>
17	17.3	228.654	230.806	459.768	17	34.0	201.969	204.171	406.369
17	23.3	230.784	228.639	459.718	17	41.8	204.192	201.966	406.375
18	5.0	228.663	230.839	459.724	17	52.4	201.997	204.158	406.358
18	10.9	230.828	228.678	459.720	17	58.1	204.134	201.966	406.296

in
Bar. 30.35. Ther. 57.9. Run + 2.7. Images 2-3. Steadiness 3. F.P. 9.75. ζ Tucanae.

1881, April 22.

<i>a</i>				<i>b</i>					
<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>		
18	32.9	195.635	197.802	393.550	18	48.2	200.760	202.944	403.820
18	40.7	197.836	195.616	393.564	18	57.0	202.929	200.738	403.783
19	23.3	195.639	197.792	393.547	19	7.2	200.766	202.917	403.799
19	31.8	197.779	195.612	393.509	19	14.1	202.928	200.768	403.812

in
Bar. 30.33. Ther. 50.7. Run + 2.9. Images 2-3. Steadiness 3. F.P. 9.75. α_2 Centauri.

1881, April 23.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	r	R
10	47.2	192.145	194.338	386.603	11	3.6	241.032	243.213	484.389
10	53.8	194.319	192.141	386.581	11	11.5	243.219	241.037	484.402
11	38.9	192.136	194.274	386.539	11	21.6	241.060	243.223	484.430
11	45.3	194.301	192.132	386.562	11	28.4	243.212	241.037	484.398

in
Bar. 30.26. Ther. 68.5. Run + 3.3. Images 2-3. Steadiness 2-3. F.P. 9.75.

Sirius.

1881, April 24.

a				b			
h	m	r	R	h	m	r	R
9	44.3	196.987	194.846	10	1.3	193.753	191.601
9	51.9	194.853	197.067	10	8.1	191.585	193.772
10	35.4	196.989	194.837	10	18.5	193.768	191.581
10	41.3	194.864	197.031	10	26.6	191.600	193.767
			391.968				385.500
			392.058				385.508
			391.994				385.508
			392.071				385.533

Bar. 30.16. Ther. 64.7. Run + 1.6. Images 2. Steadiness 2. F.P. 9.75.

ε Indi.

1881, April 24.

b				a			
h	m	r	R	h	m	r	R
18	2.0	204.160	202.009	18	15.0	230.855	228.680
18	7.7	202.040	204.189	18	22.4	228.685	230.835
18	52.0	204.192	202.005	18	36.0	230.853	228.676
18	58.6	202.045	204.198	18	42.7	228.680	230.864
			406.360				459.742
			406.413				459.717
			406.344				459.713
			406.386				459.723

Bar. 30.09. Ther. 58.7. Run + 3.0. Images 2. Steadiness 2.

ε Indi.

1881, April 28.

a				b			
h	m	r	R	h	m	r	R
19	7.5	230.851	228.672	19	26.4	204.191	202.037
19	15.6	228.683	230.819	19	36.4	202.003	204.222
20	6.6	230.849	228.702	19	48.9	204.165	202.032
20	11.9	228.684	230.872	19	57.4	202.025	204.208
			459.688				406.361
			459.663				406.354
			459.690				406.322
			459.694				406.355

Bar. 30.03. Ther. 44.8. Run + 3.1. Images 2. Steadiness 2-3. F.P. 9.75.

 α₂ Centauri.

1881, May 4.

b				a			
h	m	r	R	h	m	r	R
11	47.7	243.218	241.031	12	6.0	194.316	192.141
11	56.0	240.989	243.228	12	12.5	192.149	194.333
12	47.6	243.169	241.002	12	23.3	194.323	192.164
12	53.4	241.040	243.204	12	30.7	192.153	194.345
			484.404				386.591
			484.375				386.617
			484.333				386.623
			484.407				386.635

Bar. 30.07. Ther. 56.6. Run + 5.0. Images 3. Steadiness 3. F.P. 9.75.

ε Indi.

1881, May 6.

b				a			
h	m	r	R	h	m	r	R
18	46.4	201.992	204.198	19	1.0	228.686	230.850
18	53.1	204.141	202.032	19	7.5	230.790	228.600
19	40.2	202.043	204.180	19	17.9	228.665	230.859
19	46.6	204.204	202.009	19	28.8	230.822	228.650
			406.343				459.703
			406.322				459.553
			406.349				459.682
			406.337				459.623

Bar. 30.09. Ther. 51.9. Run + 3.7. Images 2-3. Steadiness 3. F.P. 9.50.

ζ Tucanae.

1881, May 6.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
20	4 ²	202 ⁸ 52	200 ⁷ 33	403 ⁷ 06	20	19 ⁴	197 ⁷ 742	195 ⁶ 25	393 ⁴ 495
20	10 ⁴	200 ⁷ 65	202 ⁸ 88	403 ⁷ 77	20	24 ⁸	195 ⁵ 95	197 ⁷ 88	393 ⁵ 12
20	44 ⁷	202 ⁸ 94	200 ⁶ 94	403 ⁷ 18	20	34 ⁶	197 ⁷ 748	195 ⁵ 78	393 ⁴ 459
20	49 ⁴	200 ⁷ 08	202 ⁸ 930	403 ⁷ 69	20	39 ²	195 ⁵ 566	197 ⁷ 766	393 ⁴ 466

in
Bar. 30⁰09. Ther. 50⁰2. Run + 3⁴. Images 3. Steadiness 3. F.P. 9⁰50.

 ϵ Indi.

1881, May 9.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	r	R
18	50 ⁵	230 ⁷ 92	228 ⁶ 30	459 ⁶ 00	19	4 ⁹	204 ¹ 144	201 ⁹ 67	406 ² 55
18	55 ⁹	228 ⁶ 49	230 ⁷ 91	459 ⁶ 14	19	11 ⁰	201 ⁹ 993	204 ¹ 161	406 ² 295
19	36 ⁵	230 ⁸ 12	228 ⁶ 28	459 ⁵ 91	19	20 ⁰	204 ¹ 159	202 ⁰ 07	406 ³ 303
19	42 ⁴	228 ⁶ 23	230 ⁸ 01	459 ⁵ 72	19	25 ⁸	201 ⁹ 946	204 ¹ 143	406 ² 223

in
Bar. 30⁰17. Ther. 44⁰6. Run + 2⁹. Images 2. Steadiness 2. F.P. 9⁰50.

Sirius.

1881, May 18.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	r	R
9	36 ²	196 ⁹ 14	194 ⁸ 28	391 ⁸ 77	9	43 ⁶	191 ⁶ 32	193 ⁷ 21	385 ⁴ 92
9	58 ³	194 ⁸ 20	196 ⁹ 53	391 ⁹ 18	9	51 ⁴	193 ⁷ 15	191 ⁶ 44	385 ⁴ 403
10	10 ⁷	196 ⁸ 98	194 ⁸ 15	391 ⁸ 65	10	17 ⁵	191 ⁶ 566	193 ⁷ 650	385 ⁴ 377
10	35 ⁴	194 ⁷ 92	196 ⁹ 36	391 ⁹ 00	10	26 ¹	193 ⁶ 696	191 ⁶ 564	385 ⁴ 429

in
Bar. 30⁰28. Ther. 54⁰9. Run + 2⁸. Images 3. Steadiness 3. F.P. 9⁰50.

Sirius.

1881, May 19.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
9	40 ²	193 ⁷ 16	191 ⁶ 30	385 ⁴ 83	9	54 ⁸	196 ⁹ 31	194 ⁸ 52	391 ⁹ 25
9	47 ⁴	191 ⁵ 26	193 ⁶ 87	385 ³ 54	10	0 ⁴	194 ⁸ 10	196 ⁹ 23	391 ⁸ 78
10	24 ³	193 ⁶ 92	191 ⁵ 60	385 ⁴ 19	10	11 ⁶	196 ⁹ 33	194 ⁸ 41	391 ⁹ 26
10	30 ⁴	191 ⁵ 28	193 ⁶ 86	385 ³ 86	10	17 ⁶	194 ⁸ 21	196 ⁸ 83	391 ⁸ 61

in
Bar. 30⁰18. Ther. 55⁰2. Run + 1⁷. Images 3. Steadiness 3. F.P. 9⁰50.

Sirius.

1881, May 20.

<i>a</i>					<i>b</i>				
h	m	^r	^r	^R	h	m	^r	^r	^R
9	43 ⁰	194 ⁸ 26	196 ⁹ 36	391 ⁸ 99	9	58 ⁸	191 ⁵ 82	193 ⁷ 27	385 ⁴ 57
9	50 ⁴	196 ⁹ 43	194 ⁷ 97	391 ⁸ 80	10	5 ⁶	193 ⁶ 99	191 ⁵ 71	385 ⁴ 42
10	32 ⁵	194 ⁷ 72	196 ⁹ 59	391 ⁹ 01	10	16 ⁴	191 ⁵ 92	193 ⁷ 03	385 ⁴ 55
10	39 ⁶	196 ⁹ 11	194 ⁷ 96	391 ⁸ 83	10	23 ⁴	193 ⁶ 93	191 ⁵ 53	385 ⁴ 39

in
Bar. 30⁰09. Ther. 53⁰9. Run + 1⁵. Images 3. Steadiness 3. F.P. 9⁰50.

α_2 Centauri.

1881, May 20.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	r	R
13	9.0	243.100	240.992	484.257	13	40.3	194.243	192.145	386.527
13	22.0	240.984	243.118	484.269	13	51.0	192.137	194.271	386.546
14	29.2	243.121	241.011	484.299	14	7.3	194.231	192.097	386.466
14	41.5	240.985	243.164	484.314	14	15.3	192.170	194.336	386.642

Bar. 30.08. Ther. 54.5. Run + 3.7. Images 3. Steadiness 3. F.P. 9.50.

Sirius.

1881, May 21.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	r	R
9	49.0	196.904	194.793	391.836	10	0.1	191.592	193.699	385.439
10	19.0	194.840	196.932	391.929	10	8.8	193.682	191.553	385.388
10	31.4	196.911	194.778	391.857	10	43.6	191.565	193.675	385.427
12	2.7	194.786	196.894	391.885	10	54.6	193.695	191.553	385.449

Bar. 29.93. Ther. 53.3. Run + 1.5. Images 3. Steadiness 3. F.P. 9.50.

 α_2 Centauri.

1881, May 23.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	r	R
10	5.6	192.152	194.307	386.575	10	25.6	241.009	243.138	484.289
10	15.6	194.273	192.192	386.583	10	32.0	243.146	241.005	484.294
11	1.1	192.123	194.281	386.531	10	43.8	240.994	243.133	484.272
11	11.2	194.261	192.164	386.554	10	50.4	243.137	240.978	484.261

Bar. 30.15. Ther. 51.8. Run + 3.3. Images 2-3. Steadiness 3. F.P. 9.50.

 α_2 Centauri.

1881, June 13.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	r	R
11	39.4	240.827	243.307	484.288	11	59.6	192.002	194.495	386.631
11	46.2	243.283	240.823	484.261	12	8.4	194.481	191.976	386.591
12	35.4	240.801	243.295	484.258	12	19.5	192.006	194.490	386.632
12	42.3	243.312	240.819	484.294	12	26.1	194.454	192.002	386.592

Bar. 30.25. Ther. 58.5. Run + 3.8. Images 3. Steadiness 2-3. F.P. 9.50.

 α_2 Centauri.

1881, June 16.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	r	R
11	51.5	194.462	191.968	386.563	12	7.1	243.292	240.807	484.258
11	58.5	191.995	194.480	386.609	12	12.5	240.799	243.320	484.279
12	44.0	194.454	191.978	386.570	12	24.0	243.277	240.818	484.256
12	51.3	191.969	194.470	386.578	12	30.4	240.840	243.302	484.304

Bar. 30.15. Ther. 54.9. Run + 4.7. Images 3. Steadiness 3. F.P. 9.50.

α_2 Centauri.

1881, June 17.

<i>b</i>				<i>a</i>			
h	m	r	R	h	m	r	R
13	44.2	240.824	243.310	14	0.5	191.988	194.476
13	51.0	243.311	240.778	14	8.5	194.467	191.955
14	36.5	240.844	243.362	14	17.3	191.965	194.482
14	45.9	243.318	240.824	14	24.6	194.468	191.975

in
Bar. 30.11. Ther. 63.3. Run + 4.5. Images 3. Steadiness 3. F.P. 9.50.

 ζ Tucanae.

1881, June 20.

<i>a</i>				<i>b</i>			
h	m	r	R	h	m	r	R
21	23.2	197.886	195.427	21	40.1	202.990	200.509
21	30.9	195.385	197.877	21	47.4	200.501	203.005
22	14.8	197.857	195.412	21	57.8	203.007	200.537
22	23.1	195.409	197.891	22	5.8	200.560	203.015

in
Bar. 30.48. Ther. 55.1. Run + 3.5. Images 2-3. Steadiness 3. F.P. 9.50.

 ϵ Eridani.

1881, June 20.

<i>a</i>				<i>b</i>			
h	m	r	R	h	m	r	R
22	48.0	254.275	256.773	23	2.7	267.830	270.269
22	54.8	256.747	254.252	23	10.0	270.292	267.792
23	41.7	254.293	256.820	23	23.7	267.801	270.333
23	49.3	256.799	254.314	23	33.2	270.369	267.832

in
Bar. 30.46. Ther. 55.3. Run + 3.0. Images 2-3. Steadiness 3. F.P. 9.50.

Canopus.

1881, June 21.

<i>a</i>				<i>b</i>			
h	m	r	R	h	m	r	R
12	9.0	54.946	52.436	12	22.9	47.628	45.112
12	15.8	52.441	54.951	12	29.0	45.127	47.575
12	51.8	54.950	52.400	12	37.4	47.603	45.083
12	59.5	52.441	54.966	12	45.1	45.084	47.588

in
Bar. 30.36. Ther. 60.2. Run + 3.9. Images 3. Steadiness 3. F.P. 9.50.

 α_2 Centauri.

1881, June 21.

<i>a</i>				<i>b</i>			
h	m	r	R	h	m	r	R
16	14.8	191.959	194.502	16	28.6	240.770	243.320
16	20.9	194.527	191.996	16	34.1	243.296	240.801
16	56.0	191.995	194.498	16	42.6	240.804	243.242
17	0.6	194.518	192.009	16	48.2	243.284	240.805

in
Bar. 30.31. Ther. 57.5. Run + 4.3. F.P. 9.50.

ε Indi.

1881, June 21.

b			a		
h	m	R	h	m	R
17	22.5	201.810	17	38.2	228.447
17	29.2	204.262	17	44.8	230.922
18	11.5	201.816	17	56.3	228.450
18	17.2	204.288	18	2.4	230.891
		201.802			228.458
		406.387			459.659
		406.300			459.603
		406.341			459.640
		406.266			459.561

Bar. 30.30. Ther. 57.8. Run + 3.4. Images 2. Steadiness 2-3. F.P. 9.50.

 α₂ Centauri.

1881, June 22.

b			a		
h	m	R	h	m	R
12	4.9	243.294	12	20.8	194.497
12	11.1	240.803	12	27.2	191.992
12	59.0	243.280	12	40.9	194.484
13	7.1	240.792	12	47.2	192.007
		243.287			194.485
		484.250			386.639
		484.257			386.632
		484.236			386.597
		484.244			386.629

Bar. 29.96. Ther. 54.9. Run + 4.4. F.P. 9.50.

e Eridani.

1881, June 24.

a			b		
h	m	R	h	m	R
22	54.7	267.759	23	9.2	254.271
23	1.4	270.286	23	16.9	256.842
23	44.1	267.859	23	28.9	254.300
23	50.5	270.323	23	35.8	256.781
		267.824			256.809
		538.375			511.328
		538.351			511.347
		538.424			511.288
		538.358			511.280

Bar. 30.21. Ther. 49.8. Run + 4.1. Images 2. Steadiness 2-3. F.P. 9.50.

e Eridani.

1881, June 28.

a			b		
h	m	R	h	m	R
22	29.8	254.252	22	43.7	267.806
22	37.1	256.745	22	58.0	270.326
23	30.8	254.320	23	14.7	267.843
23	36.7	256.845	23	21.2	270.357
		254.343			267.821
		511.373			538.463
		511.341			538.473
		511.342			538.466
		511.398			538.429

Bar. 30.25. Ther. 50.3. Run + 3.8. Images 2-3. Steadiness 3. F.P. 9.50.

 α₂ Centauri.

1881, July 1.

a			b		
h	m	R	h	m	R
15	25.0	194.512	15	41.9	243.326
15	32.2	192.023	15	50.5	240.824
16	30.3	194.716	16	13.5	243.523
16	41.3	191.847	16	20.7	240.614
		191.810			243.513
		386.649			484.293
		386.674			484.285

Bar. 30.53. Ther. 46.6. Run + 3.5. F.P. 9.50.

α_2 Centauri.

1881, July 2.

<i>b</i>				<i>a</i>				
h	m	r	R	h	m	r	R	
15	26.3	243.321	240.801	15	41.0	194.529	192.032	386.694
15	32.6	240.813	243.308	15	50.4	192.045	194.538	386.713
16	12.8	243.290	240.823	15	58.5	194.503	192.027	386.659
16	20.2	240.791	243.315	16	4.3	192.023	194.513	386.666

in
Bar. 30.49. Ther. 42.9. Run + 4.1. Images 2. Steadiness 3. F.P. 9.50.

 ϵ Indi.

1881, July 2.

<i>a</i>				<i>b</i>				
h	m	r	R	h	m	r	R	
16	53.6	228.394	230.902	17	9.2	201.772	204.338	406.390
17	1.0	230.887	228.404	17	18.3	204.285	201.788	406.337
17	43.4	228.449	230.946	17	28.9	201.801	204.310	406.357
17	49.8	230.924	228.457	17	35.4	204.349	201.816	406.401

in
Bar. 30.50. Ther. 40.9. Run + 3.3. Images 3. Steadiness 3. F.P. 9.50.

 ϵ Indi.

1881, July 3.

<i>b</i>				<i>a</i>				
h	m	r	R	h	m	r	R	
15	31.5	204.042	201.628	15	52.9	230.741	228.326	459.693
15	36.7	201.633	204.117	15	58.0	228.232	230.794	459.624
16	24.8	204.224	201.755	16	10.7	230.809	228.315	459.660
16	32.0	201.756	204.298	16	17.6	228.332	230.831	459.667

in
Bar. 30.58. Ther. 51.2. Run + 4.8. Images 2-3. Steadiness 3. F.P. 9.50.

 e Eridani.

1881, July 3.

<i>b</i>				<i>a</i>				
h	m	r	R	h	m	r	R	
22	19.9	270.252	267.755	22	34.4	256.760	254.273	511.365
22	26.0	267.793	270.285	22	42.0	254.302	256.791	511.404
23	8.6	270.347	267.833	22	53.1	256.787	254.292	511.364
23	14.3	267.822	270.354	23	1.4	254.316	256.828	511.411

in
Bar. 30.56. Ther. 46.4. Run + 3.2. Images 2. Steadiness 3. F.P. 9.50.

 ζ Tucanae.

1881, July 4.

<i>b</i>				<i>a</i>				
h	m	r	R	h	m	r	R	
17	42.7	200.546	203.022	17	50.3	197.899	195.466	393.493
18	9.8	203.055	200.538	18	1.2	195.430	197.907	393.457
18	18.8	200.566	203.044	18	24.6	197.931	195.466	393.512
18	39.7	203.035	200.586	18	32.7	195.459	197.937	393.510

in
Bar. 30.56. Ther. 50.8. Run + 3.8. Images 2. Steadiness 2-3. F.P. 9.50.

ε Indi.

1881, July 5.

b					a				
h	m	r	r	R	h	m	r	R	
17	50.3	204.274	201.822	406.307	17	58.1	228.465	230.933	459.637
18	15.1	201.844	204.305	406.332	18	7.6	230.945	228.476	459.645
18	23.3	204.311	201.864	406.351	18	32.0	228.496	230.970	459.662
18	53.3	201.887	204.339	406.377	18	43.5	231.006	228.515	459.704

Bar. 30.49. Ther. 46.8. Run + 4.0. Images 2-3. Steadiness 3. F.P. 9.50.

ζ Tucanae.

1881, July 5.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>
19	15.1	195.452	197.922	393.491	19	25.8	203.057	200.553	403.729
19	44.4	197.916	195.455	393.493	19	37.0	200.574	203.025	403.720
19	53.8	195.432	197.917	393.473	20	1.1	203.035	200.574	403.733
20	17.2	197.913	195.424	393.468	20	10.1	200.576	203.038	403.741

Bar. 30.37. Ther. 42.2. Run + 4.7. Images 2. Steadiness 2-3. F.P. 9.50.

 α₂ Centauri.

1881, July 6.

<i>a</i>				<i>b</i>					
<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>		
17	9.1	192.043	194.504	386.661	17	19.5	243.285	240.838	484.267
17	37.2	194.495	192.023	386.629	17	28.9	240.815	243.307	484.264
17	46.4	192.033	194.520	386.663	17	56.5	243.323	240.822	484.283
18	30.3	194.507	192.058	386.674	18	20.7	240.852	243.310	484.299

Bar. 30.24. Ther. 56.8. Run + 4.3. Images 3. Steadiness 3. F.P. 9.50.

 α₂ Centauri.

1881, July 8.

<i>b</i>				<i>a</i>					
h	m	r	R	h	m	r	R		
15	31.1	240.830	243.292	484.286	15	40.1	194.510	192.041	386.681
15	58.4	243.272	240.840	484.272	15	49.5	192.051	194.511	386.690
16	9.2	240.831	243.269	484.258	16	17.3	194.490	192.041	386.656
16	37.0	243.316	240.828	484.298	16	26.4	192.038	194.499	386.660

Bar. 30.38. Ther. 50.0. Run + 5.3. Images 2. Steadiness 2-3. F.P. 9.50.

e Eridani.

1881, July 8.

a					b				
h	m	r	r	R	h	m	r	r	R
22	27.3	256.743	254.259	511.353	22	38.9	267.799	270.274	538.425
22	58.0	254.307	256.766	511.347	22	48.5	270.275	267.851	538.449
23	6.2	256.830	254.321	511.408	23	17.7	267.824	270.367	538.450
23	39.3	254.336	256.797	511.343	23	29.2	270.346	267.861	538.449

Bar. 30.35. Ther. 46.2. Run + 5.0. Images 3. Steadiness 3. F.P. 9.50.

Canopus.

1881, July 8.

<i>b</i>				<i>a</i>			
h	m	r	R	h	m	r	R
0	0.9	47.519	45.079	0	16.0	54.948	52.466
0	8.6	45.090	47.538	0	25.7	52.487	54.931
0	57.4	47.514	45.071	0	37.2	54.950	52.516
1	3.0	45.137	47.557	0	45.9	52.470	54.985

Bar. 30.35. Ther. 43.8. Run + 4.2. F.P. 9.50.

 α_2 Centauri.

1881, July 10.

<i>a</i>				<i>b</i>			
h	m	r	R	h	m	r	R
16	8.3	194.474	192.015	16	15.7	240.791	243.293
16	31.1	192.018	194.501	16	23.6	243.000	240.798
16	38.9	194.513	192.030	16	46.8	240.804	243.295
17	4.2	192.029	194.483	16	55.2	243.301	240.806

Bar. 30.30. Ther. 49.2. Run + 6.1. F.P. 9.50.

 ϵ Indi.

1881, July 10.

<i>a</i>				<i>b</i>			
h	m	r	R	h	m	r	R
17	23.2	228.428	230.938	17	33.0	204.274	201.801
17	49.7	230.905	228.465	17	41.6	201.795	204.289
17	59.6	228.472	230.923	18	10.0	204.280	201.832
18	31.3	230.940	228.459	18	21.2	201.867	204.306

Bar. 30.32. Ther. 47.9. Run + 4.3. Images 2. Steadiness 2-3.

 ϵ Indi.

1881, July 11.

<i>b</i>				<i>a</i>			
h	m	r	R	h	m	r	R
17	52.6	204.273	201.821	18	0.6	228.486	230.943
18	16.6	201.833	204.299	18	8.5	230.949	228.470
18	26.6	204.321	201.825	18	35.1	228.464	230.950
18	52.5	201.856	204.304	18	43.3	230.937	228.489

Bar. 30.57. Ther. 49.8. Run + 6.1. Images 2. Steadiness 2. F.P. 9.50.

 ζ Tucanae.

1881, July 11.

<i>b</i>				<i>a</i>			
h	m	r	R	h	m	r	R
19	8.6	203.009	200.547	19	15.9	195.415	197.905
19	33.4	200.548	203.032	19	24.9	197.922	195.429
19	44.2	203.039	200.566	19	51.2	195.420	197.896
20	8.6	200.577	203.038	20	1.6	197.905	195.427

Bar. 30.57. Ther. 48.4. Run + 4.4. Images 2. Steadiness 2. F.P. 9.50.

α_2 Centauri.

1881, July 12.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>
15	55.3	194.513	192.001	386.644	16	2.4	240.819	243.309	484.291
16	16.7	191.998	194.511	386.635	16	10.8	243.307	240.804	484.272
16	24.4	194.506	192.000	386.631	16	34.1	240.820	243.282	484.259
16	58.4	191.992	194.498	386.609	16	49.3	243.333	240.825	484.312

in
Bar. 30.51. Ther. 43.6. Run + 5.9. Images 2. Steadiness 2-3. F.P. 9.50.

 α_2 Centauri.

1881, July 13.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
15	49.9	240.804	243.325	484.291	15	59.1	194.518	192.007	386.653
16	18.0	243.297	240.796	484.251	16	9.1	192.005	194.520	386.652
16	53.0	240.781	243.324	484.258	17	0.7	194.539	192.010	386.666
17	21.6	243.321	240.836	484.303	17	9.5	192.004	194.549	386.669

in
Bar. 30.43. Ther. 47.6. Run + 4.7. Images 2-3. Steadiness 3. F.P. 9.50.

 α_2 Centauri.

1881, July 16.

a^1					b^1				
h	m	r	r	R	h	m	r	R	
17	55.3	110.023	107.417	217.546	18	4.7	112.905	115.507	228.526
18	22.6	107.444	110.030	217.591	18	14.5	115.494	112.881	228.496
18	32.6	110.029	107.402	217.555	18	41.3	112.889	115.475	228.503
19	5.2	107.338	110.091	217.575	18	52.0	115.521	112.806	228.474

in
Bar. 29.98. Ther. 56.3. Run + 2.4. F.P. 9.50.

 α_2 Centauri.

1881, July 18.

b^1					a^1				
h	m	r	r	R	h	m	r	r	R
15	40.7	112.836	115.594	228.500	15	49.0	110.142	107.355	217.566
16	4.2	115.572	112.840	228.487	15	57.4	107.351	110.138	217.559
16	11.7	112.845	115.579	228.500	16	18.7	110.118	107.369	217.562
16	31.0	115.575	112.877	228.532	16	25.2	107.365	110.099	217.540

in
Bar. 30.40. Ther. 42.4. Run + 2.1. F.P. 9.50.

 α_2 Centauri.

1881, July 18.

<i>a</i>					<i>b</i>				
h	m	r		R	h	m	r		R
17	17.9	191.884	194.616	386.616	17	26.4	243.400	240.705	484.253
17	42.3	194.628	191.910	386.652	17	34.8	240.714	243.438	484.299
18	59.2	191.895	194.609	386.623	19	5.3	243.418	240.670	484.232
19	24.3	194.638	191.888	386.654	19	15.2	240.716	243.440	484.303

in
Bar. 30.40. Ther. 39.8. Run + 4.7. Images 2-3. Steadiness 2-3. F.P. 9.50.

α_2 Centauri.

1881, August 8.

 b^1

h	m	r	r	R
16	47.1	112.878	115.520	228.480
17	7.6	115.480	112.854	228.423
17	15.6	112.857	115.499	228.449
17	42.4	115.507	112.830	228.441

 a^1

h	m	r	r	R
16	53.3	110.037	107.377	217.494
17	0.6	107.408	110.067	217.557
17	24.5	110.046	107.425	217.562
17	34.2	107.420	110.057	217.572

in
Bar. 30.04. Ther. 51.5. Run + 2.5. F.P. 9.50.

 α_2 Centauri.

1881, August 8.

 b

h	m	r	r	R
18	18.9	243.338	240.716	484.190
18	45.6	240.702	243.369	484.207
19	18.4	243.362	240.702	484.207

 a

h	m	r	r	R
18	26.9	191.953	194.558	386.619
18	36.8	194.581	191.928	386.617
19	26.8	191.922	194.600	386.646

in
Bar. 30.05. Ther. 53.5. Run + 3.8. F.P. 9.50.

 α_2 Centauri.

1881, August 10.

 a^1

h	m	r	r	R
20	24.0	109.957	107.330	217.517
20	52.4	107.343	109.930	217.541
21	3.3	109.973	107.315	217.574

 b^1

h	m	r	r	R
20	33.2	112.770	115.395	228.435
20	43.0	115.372	112.775	228.434
21	11.1	112.770	115.323	228.430
21	21.4	115.365	112.767	228.491

in
Bar. 30.20. Ther. 47.4. Run + 2.6. Images 2-3. Steadiness 3. F.P. 9.50.

 α_2 Centauri.

1881, August 11.

 a^1

h	m	r	r	R
17	39.5	107.458	110.014	217.572
18	6.4	110.008	107.444	217.565
18	17.4	107.431	109.996	217.546
18	51.9	110.023	107.423	217.587

 b^1

h	m	r	r	R
17	46.6	115.468	112.894	228.471
17	57.4	112.888	115.464	228.468
18	25.9	115.442	112.854	228.429
18	40.6	112.875	115.435	228.453

in
Bar. 30.57. Ther. 45.8. Run + 2.4. Images 1-2. Steadiness 2. F.P. 9.50.

 α_2 Centauri.

1881, August 12.

 a

h	m	r	r	R
16	40.3	191.964	194.546	386.631
17	7.0	194.540	191.982	386.640
17	44.8	191.979	194.556	386.648
18	9.1	194.563	191.974	386.651

 b

h	m	r	r	R
16	49.0	243.327	240.717	484.197
16	58.7	240.747	243.315	484.213
17	52.5	243.290	240.755	484.188
18	1.7	240.740	243.353	484.235

in
Bar. 30.57. Ther. 47.9. Run + 4.5. Images 2. Steadiness 2. F.P. 9.50.

ε Indi.

1881, August 12.

<i>a</i>				<i>b</i>					
<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>		
19	38.3	231.016	228.396	459.563	19	45.4	201.797	204.402	406.326
20	1.9	228.433	230.989	459.564	19	54.2	204.356	201.812	406.293
20	9.8	230.989	228.433	459.562	20	19.6	201.800	204.370	406.289
20	36.3	228.433	230.990	459.557	20	27.0	204.385	201.804	406.307

in
Bar. 30.55. Ther. 49.8. Run + 4.1. Images 1-2. Steadiness 2. F.P. 9.50.

Sirius.

1881, August 12.

a					b				
h	m	r	r	R	h	m	r	r	R
2	8.0	196.865	194.323	391.745	2	17.4	191.140	193.758	385.342
2	33.3	194.413	197.019	391.837	2	25.7	193.750	191.194	385.345
2	41.0	197.027	194.410	391.808	2	49.3	191.233	193.820	385.366
3	8.6	194.491	197.032	391.808	3	1.1	193.796	191.248	385.327

in
Bar. 30.49. Ther. 49.9. Run + 3.1. Images 2. Steadiness 2. F.P. 9.50.

 α₂ Centauri.

1881, August 13.

b^1					a^1				
h	m	r	r	R	h	m	r	R	
17	11.7	115.470	112.863	228.425	17	19.8	107.438	110.036	217.563
17	35.8	112.890	115.477	228.468	17	28.3	110.021	107.404	217.518
17	43.8	115.466	112.875	228.447	17	51.5	107.426	110.029	217.559
18	9.2	112.892	115.439	228.451	18	0.8	109.987	107.415	217.510

in
Bar. 30.39. Ther. 52.2. Run + 3.2. Images 1-2. Steadiness 2. F.P. 9.50.

 α₂ Centauri.

1881, August 13.

<i>b</i>					<i>a</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>
18	27.7	243.335	240.734	484.207	18	36.7	191.985	194.544	386.639
18	53.5	240.757	243.316	484.212	18	46.4	194.552	191.993	386.658
19	22.3	243.296	240.742	484.184	19	34.3	191.976	194.535	386.640
19	53.1	240.732	243.348	484.245	19	43.3	194.561	191.952	386.647

in
Bar. 30.39. Ther. 51.5. Run + 4.5. Images 1-2. Steadiness 2. F.P. 9.50.

Sirius.

1881, August 13.

<i>b</i>					<i>a</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	
2	7.0	191.137	193.747	385.390	2	14.1	196.876	391.707	
2	31.2	193.734	191.202	385.310	2	22.4	194.398	391.797	
2	39.3	191.207	193.784	385.337	2	49.6	196.976	391.750	
3	8.4	193.839	191.254	385.357	3	0.2	194.444	391.772	

in
Bar. 30.33. Ther. 49.5. Run + 1.9. Images 1-2. Steadiness 2. F.P. 9.50.

α_2 Centauri.

1881, August 14.

 a^1 b^1

h	m	r	r	R	h	m	r	r	R
19	2'5	107'410	110'014	217'570	19	9'7	115'429	112'834	228'427
19	28'5	109'997	107'439	217'604	19	19'6	112'862	115'428	228'464
19	36'8	107'424	110'011	217'610	19	44'3	115'434	112'802	228'436
20	4'0	109'987	107'349	217'539	19	55'3	112'831	115'405	228'449

in
Bar. 29'24. Ther. 54'3. Run + 2'9. Images 3. Steadiness 3. F.P. 9'50.

 ϵ Indi.

1881, August 14.

 b a

h	m	r	r	R	h	m	r	r	R
20	25'4	201'820	204'393	406'329	20	33'9	230'982	228'425	459'539
20	56'2	204'405	201'780	406'300	20	46'7	228'421	231'026	459'577
21	5'2	201'796	204'396	406'307	21	13'7	231'010	228'418	459'558
21	31'1	204'370	201'801	406'287	21	22'1	228'436	230'993	459'560

in
Bar. 30'24. Ther. 54'1. Run + 5'0. Images 2. Steadiness 2. F.P. 9'50.

 α_2 Centauri.

1881, August 16.

 a b

h	m	r	r	R	h	m	r	r	R
17	46'0	194'524	191'976	386'611	17	52'9	240'754	243'325	484'219
18	6'3	191'968	194'549	386'626	17	59'0	243'328	240'725	484'192
18	33'8	194'566	191'962	386'637	18	40'3	240'733	243'339	484'210
18	56'0	191'989	194'530	386'633	18	48'0	243'300	240'747	484'185

in
Bar. 30'42. Ther. 55'8. Run + 4'9. Images 1-2. Steadiness 1-2. F.P. 9'50.

 α_2 Centauri.

1881, August 16.

 b^1 a^1

h	m	r	r	R	h	m	r	r	R
19	33'8	115'412	112'826	228'427	19	41'6	107'422	110'000	217'603
19	59'4	112'817	115'419	228'454	19	51'4	109'973	107'392	217'555
20	7'6	115'396	112'898	228'523	20	14'4	107'372	109'936	217'524
20	29'5	112'785	115'358	228'404	20	22'7	109'910	107'383	217'518

in
Bar. 30'42. Ther. 55'8. Run + 3'4. Images 2. Steadiness 2. F.P. 9'50.

 ϵ Eridani.

1881, August 16.

 a b

h	m	r	r	R	h	m	r	r	R
22	8'8	256'693	254'163	511'270	22	17'3	267'702	270'254	538'384
22	35'5	254'184	256'769	511'275	22	28'2	270'262	267'688	538'334
22	42'9	256'767	254'185	511'254	22	50'4	267'718	270'303	538'334

in
Bar. 30'41. Ther. 54'4. Run + 4'6. Images 2. Steadiness 2-3. F.P. 9'50.

e Indi.

1881, August 18.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>
17	12.9	230.949	228.265	459.528	17	23.2	201.703	204.404	406.352
17	38.6	228.307	231.059	459.630	17	31.4	204.396	201.687	406.315
17	45.6	231.030	228.327	459.609	17	54.2	201.734	204.458	406.392
18	12.8	228.331	231.063	459.605	18	4.7	204.406	201.711	406.306

in
Bar. 30.21. Ther. 56.3. Run + 3.3. Images 3. Steadiness 3. F.P. 9.50.

 α₂ Centauri.

1881, August 18.

a ¹					b ¹				
h	m	r	r	R	h	m	r	r	R
18	35.5	110.108	107.325	217.559	18	44.7	112.795	115.550	228.487
19	1.7	107.332	110.082	217.558	18	52.3	115.536	112.778	228.463
19	10.8	110.085	107.322	217.559	19	19.5	112.747	115.484	228.405
19	38.0	107.305	110.050	217.531	19	29.9	115.503	112.758	228.444

in
Bar. 30.21. Ther. 55.0. Run + 3.1. Images 3. Steadiness 3. F.P. 9.50.

 α₂ Centauri.

1881, August 19.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
18	6.7	240.659	243.396	484.188	18	16.0	194.649	191.895	386.652
18	33.9	243.371	240.659	484.165	18	25.7	191.918	194.585	386.611
19	10.6	240.682	243.395	484.216	19	21.3	194.616	191.912	386.648
19	41.0	243.375	240.648	484.175	19	35.0	191.919	194.623	386.669

in
Bar. 30.11. Ther. 56.3. Run + 4.6. Images 2-3. Steadiness 3. F.P. 9.50.

 α₂ Centauri.

1881, August 25.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	r	R
18	11.7	194.542	191.998	386.653	18	20.8	240.756	243.318	484.215
18	39.8	192.001	194.555	386.669	18	30.8	243.281	240.749	484.171
19	12.0	194.543	191.977	386.642	19	21.5	240.761	243.305	484.215
19	43.4	191.965	194.535	386.637	19	31.3	243.306	240.742	484.201

in
Bar. 30.67. Ther. 45.0. Run + 4.9. Images 2. Steadiness 2. F.P. 9.50.

Sirius.

1881, August 25.

a				b					
h	m	r	R	h	m	r	R		
2	46.9	196.996	194.430	391.782	2	54.0	191.227	193.785	385.318
3	11.9	194.486	197.014	391.780	3	4.7	193.774	191.245	385.296
3	18.7	197.016	194.514	391.795	3	28.6	191.287	193.798	385.314
3	45.4	194.542	197.051	391.812	3	37.3	193.811	191.264	385.291

in
Bar. 30.69. Ther. 44.8. Run + 3.7. Images 1-2. Steadiness 2. F.P. 9.50.

α_2 Centauri.

1881, August 27.

<i>b</i>					<i>a</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>
18	23·6	240·736	243·276	484·149	18	31·2	194·521	191·977	386·608
18	45·5	243·283	240·741	484·161	18	38·6	192·000	194·545	386·656
18	52·3	240·753	243·304	484·195	18	59·4	194·548	191·969	386·631
19	16·6	243·302	240·773	484·218	19	8·8	191·999	194·524	386·640

in
Bar. 30·40. Ther. 54°0. Run + 5·1. Images 2-3. Steadiness 2-3. F.P. 9·50.

 ϵ Indi.

1881, August 27.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	r	R
19	34·7	201·827	204·373	406·326	19	43·9	230·986	228·424	459·556
20	2·4	204·381	201·829	406·331	19	52·9	228·426	230·979	459·548
20	9·3	201·860	204·386	406·366	20	17·2	230·968	228·444	459·548
20	36·3	204·380	201·822	406·318	20	26·7	228·428	231·005	459·566

in
Bar. 30·39. Ther. 53°5. Run + 4·5. Images 2. Steadiness 2. F.P. 9·50.

 ζ Tucanae.

1881, August 28.

<i>a</i>				<i>b</i>					
h	m	r	R	h	m	r	R		
19	54·6	197·929	195·381	393·433	20	3·2	200·522	203·068	403·713
20	20·5	195·409	197·904	393·443	20	11·5	203·039	200·527	403·691
20	29·7	197·911	195·422	393·466	20	37·2	200·541	203·047	403·718
20	54·1	195·392	197·922	393·453	20	47·0	203·075	200·514	403·722

in
Bar. 30·34. Ther. 49°0. Run + 4·2. Images 3. Steadiness 3. F.P. 9·50.

Sirius.

1881, August 28.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	r	R
2	44·4	191·276	193·775	385·383	2	51·5	196·991	194·427	391·753
3	8·1	193·810	191·317	385·394	3	0·0	194·456	196·989	391·753
3	16·7	191·273	193·835	385·356	3	25·3	197·033	194·514	391·795
3	45·0	193·824	191·324	385·351	3	35·7	194·532	197·006	391·768

in
Bar. 30·35. Ther. 45°0. Run + 1·9. Images 1-2. Steadiness 2. F.P. 9·50.

 α_2 Centauri.

1881, August 29.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	r	R
19	11·0	192·004	194·538	386·659	19	18·8	243·275	240·753	484·171
19	36·0	194·500	192·007	386·636	19	27·8	240·760	243·261	484·169
19	44·1	192·003	194·494	386·632	19	52·4	243·244	240·765	484·172
20	10·4	194·496	191·985	386·642	20	2·1	240·747	243·255	484·175

in
Bar. 30·52. Ther. 56°0. Run + 4·0. Images 2. Steadiness 2. F.P. 9·50.

ε Indi.

1881, August 29.

a					b				
h	m	r	r	R	h	m	r	R	
20	35.6	228.467	230.969	459.568	20	45.1	204.362	201.844	406.319
21	8.0	230.989	228.505	459.524	20	57.1	201.835	204.365	406.315
21	17.9	228.468	230.956	459.555	21	26.5	204.365	201.825	406.306
21	46.6	230.958	228.493	459.584	21	37.3	201.869	204.349	406.333

in
Bar. 30.32. Ther. 55.5. Run + 3.8. Images 2. Steadiness 2. F.P. 9.50.

Canopus.

1881, August 30.

a					b				
h	m	r	R		h	m	r	R	
1	58.8	54.981	52.480	107.530	2	4.4	45.113	47.598	92.770
2	21.5	52.506	55.002	107.571	2	13.6	47.608	45.101	92.765
2	30.0	55.008	52.509	107.578	2	36.5	45.098	47.611	92.759
2	51.9	52.509	55.010	107.573	2	45.4	47.594	45.121	92.761

in
Bar. 30.35. Ther. 56.0. Run + 4.6. Images 1-2. Steadiness 1-2. F.P. 9.50.

Sirius.

1881, August 30.

a					b				
h	m	r	r	R	h	m	r	R	
3	9.6	194.507	197.011	391.796	3	19.1	193.774	191.275	385.287
3	37.2	197.000	194.526	391.749	3	28.9	191.291	193.792	385.305
3	44.6	194.545	197.042	391.801	3	52.8	193.815	191.329	385.335
4	7.8	197.037	194.554	391.776	4	0.7	191.323	193.825	385.330

in
Bar. 30.33. Ther. 54.5. Run + 2.4. Images 1-2. Steadiness 2. F.P. 9.50.

 α₂ Centauri.

1881, September 3.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
19	41.1	243.264	240.772	484.193	19	48.6	192.015	194.520	386.676
20	3.7	240.745	243.263	484.186	19	56.6	194.521	192.008	386.678
20	11.4	243.249	240.724	484.159	20	18.4	192.006	194.501	386.680
20	37.1	240.711	243.227	484.168	20	28.5	194.476	192.003	386.668

in
Bar. 30.24. Ther. 44.5. Run + 5.6. Images 2. Steadiness 2. F.P. 9.50.

Sirius.

1881, September 3.

<i>b</i>				<i>a</i>					
h	m	r	R	h	m	r	R		
4	8.7	193.806	191.314	385.297	4	14.6	194.594	197.055	391.829
4	27.2	191.355	193.841	385.356	4	21.6	197.093	194.569	391.837
4	31.5	193.843	191.315	385.315	4	36.4	194.580	197.055	391.797

in
Bar. 30.16. Ther. 45.0. Run + 3.4. Images 1-2. Steadiness 2. F.P. 9.50.

ζ Tucanae.

1881, September 5.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
22	43.1	200.538	203.011	403.702	22	52.2	197.889	195.414	393.460
23	9.1	203.025	200.538	403.718	23	1.0	195.419	197.901	393.478
23	16.0	200.502	203.040	403.697	23	25.1	197.902	195.408	393.468
23	46.2	203.015	200.499	403.669	23	34.8	195.411	197.883	393.451

in
Bar. 30.14. Ther. 47.3. Run + 5.0. Images 2. Steadiness 2. F.P. 9.50.

 ϵ Indi.

1881, September 5.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
0	6.0	204.330	201.852	406.346	0	13.4	228.437	230.942	459.562
0	31.7	201.836	204.328	406.340	0	23.4	230.939	228.443	459.571
0	38.0	204.338	201.843	406.361	0	45.9	228.444	230.916	459.561
1	3.1	201.785	204.342	406.322	0	55.1	230.889	228.461	459.556

in
Bar. 30.16. Ther. 45.5. Run + 3.2. Images 2. Steadiness 2. F.P. 9.50.

 α_2 Centauri.

1881, September 6.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	R	
18	44.3	192.038	194.533	386.682	18	50.4	243.278	240.765	484.182
19	3.5	194.535	191.981	386.632	18	56.9	240.751	243.295	484.186
19	12.0	192.033	194.563	386.716	19	19.4	243.278	240.752	484.176
19	40.4	194.515	192.015	386.665	19	29.9	240.765	243.273	484.189

in
Bar. 30.40. Ther. 48.8. Run + 4.9. Images 1-2. Steadiness 2. F.P. 9.50.

 ζ Tucanae.

1881, September 6.

<i>a</i>				<i>b</i>					
h	m	r	R	h	m	r	R		
21	26.4	195.387	197.911	393.446	21	33.4	203.018	200.503	403.667
21	50.1	197.928	195.368	393.449	21	41.6	200.513	203.007	403.668
22	0.9	195.414	197.919	393.487	22	9.1	203.000	200.531	403.683
22	26.1	197.924	195.379	393.461	22	18.9	200.531	203.054	403.737

in
Bar. 30.39. Ther. 43.3. Run + 4.4. Images 1-2. Steadiness 1-2. F.P. 9.50.

Sirius.

1881, September 7.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	r	R
3	43.4	194.597	197.031	391.842	3	49.5	193.877	191.326	385.397
4	3.5	197.015	194.534	391.739	3	56.7	191.333	193.848	385.368
4	9.4	194.573	197.046	391.803	4	15.5	193.859	191.328	385.357
4	29.5	197.047	194.564	391.776	4	22.6	191.363	193.863	385.389

in
Bar. 30.38. Ther. 53.0. Run + 2.6. Images 2-3. Steadiness 2-3. F.P. 9.50.

ε Indi.

1881, September 8.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>		<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>		<i>R</i>
19	39 ¹	228 ^r	434	231 ^r 007	459 ^R	48 ^o	204 ^r 357	201 ^r 838	406 ^R 315
20	5 ⁸	230 ^r	968	228 ^r 475	459 ^R	58 ¹	201 ^r 867	204 ^r 342	406 ^R 327
20	12 ^o	228 ^r	463	230 ^r 956	459 ^R	21 ^o	204 ^r 360	201 ^r 885	406 ^R 359
20	41 ⁸	230 ^r	978	228 ^r 431	459 ^R	32 ³	201 ^r 848	204 ^r 364	406 ^R 325

in
Bar. 30.25. Ther. 66.7. Run + 5.0. Images 3. Steadiness 3. F.P. 9.50.

ζ Tucanae.

1881, September 8.

<i>b</i>					<i>a</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>
21	19.6	203.016	200.493	403.644	21	27.8	195.440	197.868	393.449
21	50.2	200.516	203.030	403.687	21	43.1	197.899	195.389	393.433
21	56.7	203.032	200.474	403.648	22	4.1	195.402	197.900	393.450
22	23.3	200.516	203.010	403.672	22	14.5	197.913	195.406	393.468

in
Bar. 30.24. Ther. 66.5. Run + 4.6. Images 3. Steadiness 3. F.P. 9.50.

 α₂ Centauri.

1881, September 9.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
19	17.7	243.261	240.743	484.140	19	26.4	192.012	194.506	386.636
19	44.0	240.760	243.254	484.164	19	37.0	194.527	192.000	386.651
19	52.8	243.236	240.779	484.172	20	3.7	192.030	194.488	386.665
20	25.8	240.766	243.229	484.193	20	15.4	194.489	191.997	386.646

in
Bar. 30.13. Ther. 72.2. Run + 4.1. Images 3. Steadiness 3. F.P. 9.50.

 α₂ Centauri.

1881, September 10.

a					b				
h	m	r	r	R	h	m	r	r	R
19	44.3	194.506	192.003	386.642	19	54.2	240.784	243.252	484.199
20	12.9	191.998	194.481	386.640	20	4.0	243.270	240.723	484.166
20	24.2	194.446	191.985	386.609	20	32.1	240.754	243.224	484.193
20	55.3	191.956	194.430	386.626	20	46.6	243.210	240.727	484.184

in
Bar. 30.16. Ther. 55.3. Run + 4.3. Images 3. Steadiness 2-3. F.P. 9.50.

Canopus.

1881, September 13.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	r	R
2	28.6	45.146	47.609	92.808	2	34.1	54.970	52.517	107.547
2	46.7	47.594	45.124	92.766	2	41.3	52.540	55.011	107.609
2	53.2	45.135	47.594	92.775	2	59.3	55.011	52.506	107.570
3	15.3	47.594	45.126	92.761	3	7.9	52.531	54.977	107.559

in
Bar. 30.40. Ther. 43.8. Run + 3.6. Images 1-2. Steadiness 2. F.P. 9.50.

Sirius.

1881, September 13.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
3	29.9	193.828	191.317	385.372	3	37.8	194.553	197.000	391.782
3	54.7	191.369	193.810	385.372	3	47.9	196.970	194.536	391.718
4	2.2	193.813	191.326	385.323	4	9.4	194.584	197.018	391.790
4	26.0	191.332	193.811	385.305	4	18.1	197.039	194.566	391.783

in
Bar. 30.41. Ther. 43.0. Run + 2.6. Images 2. Steadiness 2. F.P. 9.50.

 α_2 Centauri.

1881, September 14.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
19	4.5	240.757	243.284	484.181	19	11.8	194.522	192.028	386.669
19	29.7	243.238	240.764	484.152	19	21.8	192.042	194.523	386.688
19	41.7	240.775	243.230	484.161	19	51.2	194.494	192.007	386.643
20	9.6	243.241	240.740	484.163	20	0.2	192.003	194.510	386.663

in
Bar. 30.43. Ther. 53.2. Run + 4.0. Images 2. Steadiness 2. F.P. 9.50.

 ζ Tucanae.

1881, September 14.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	r	R
21	41.6	197.915	195.377	393.441	21	49.5	200.531	203.023	403.700
22	7.8	195.419	197.905	393.477	21	58.6	203.008	200.511	403.667
22	17.0	197.907	195.412	393.473	22	25.7	200.516	202.994	403.665
22	47.2	195.407	197.913	393.477	22	37.2	203.001	200.532	403.683

in
Bar. 30.43. Ther. 52.8. Run + 4.2. Images 2. Steadiness 2. F.P. 9.50.

 ϵ Indi.

1881, September 19.

<i>b</i>					<i>a</i>				
h	m	r	R		h	m	r	R	
19	46.2	204.314	201.885	406.323	19	53.7	228.504	230.950	459.595
20	16.3	201.873	204.340	406.330	20	6.1	230.980	228.493	459.610
20	26.9	204.345	201.886	406.346	20	40.8	228.500	230.931	459.562
21	5.5	201.887	204.333	406.334	20	56.5	230.946	228.509	459.584

in
Bar. 30.33. Ther. 56.8. Run + 6.8. Images 3. Steadiness 3. F.P. 9.50.

Sirius.

1881, September 19.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	r	R
4	10.6	197.015	194.580	391.777	4	20.4	191.369	193.781	385.313
4	39.7	194.534	197.027	391.718	4	31.3	193.807	191.334	385.295
4	47.9	197.059	194.597	391.807	4	54.9	191.357	193.796	385.294
5	11.0	194.599	197.028	391.765	5	4.7	193.825	191.368	385.329

in
Bar. 30.32. Ther. 55.7. Run + 3.6. Images 2. Steadiness 2. F.P. 9.50.

ζ Tucanae.

1881, September 20.

<i>b</i>				<i>a</i>					
h	m	r	R	h	m	r	R		
22	10.1	202.996	200.523	403.667	22	17.6	195.456	197.926	393.534
22	31.2	200.542	203.010	403.702	22	24.9	197.893	195.402	393.448
22	37.2	203.013	200.541	403.705	22	46.4	195.434	197.911	393.501

in
Bar. 30.32. Ther. 56°. Run + 4.4. Images 1-2. Steadiness 2. F.P. 9.50.

Canopus.

1881, September 21.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	r	R
2	47.8	52.512	55.044	107.610	2	53.4	47.580	45.060	92.684
3	8.1	55.025	52.506	107.582	3	1.3	45.095	47.600	92.738
3	15.7	52.480	55.006	107.535	3	21.9	47.633	45.071	92.743
3	35.6	55.034	52.512	107.590	3	28.6	45.082	47.608	92.728

in
Bar. 30.27. Ther. 53°. Run + 4.6. Images 3. Steadiness 2-3. F.P. 9.50.

Sirius.

1881, September 21.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	r	R
3	52.5	193.815	191.319	385.326	3	59.3	194.532	197.079	391.807
4	16.6	191.325	193.833	385.328	4	8.7	197.067	194.536	391.789
4	25.0	193.851	191.333	385.346	4	32.9	194.543	197.069	391.776
4	53.7	191.354	193.880	385.378	4	42.9	197.088	194.589	391.835

in
Bar. 30.26. Ther. 48°. Run + 2.7. Images 2-3. Steadiness 2-3. F.P. 9.50.

 α₂ Centauri.

1881, September 22.

<i>a</i>					<i>b</i>				
h	m	r	R		h	m	r	R	
19	18.2	194.560	191.982	386.661	19	26.2	240.760	243.283	484.188
19	42.4	192.014	194.534	386.680	19	33.9	243.285	240.776	484.210
19	51.6	194.563	191.995	386.697	20	2.2	240.751	243.282	484.203
20	20.8	191.962	194.517	386.650	20	11.6	243.293	240.717	484.191

in
Bar. 30.22. Ther. 58°. Run + 4.5. Images 2-3. Steadiness 2.

ε Eridani.

1881, September 22.

b					a				
h	m	r	r	R	h	m	r	r	R
22	23.3	267.655	270.225	538.275	22	32.9	256.793	254.273	511.389
22	52.3	270.295	267.760	538.358	22	42.5	254.258	256.768	511.324
22	58.6	267.757	270.232	538.277	23	6.5	256.806	254.270	511.324
23	24.1	270.333	267.775	538.350	23	14.4	254.250	256.817	511.302

in
Bar. 30.23. Ther. 60°. Run + 4.3. Images 2-3. Steadiness 2-3. F.P. 9.50.

ε Indi.

1881, September 23.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>
20	47.5	230.994	228.479	459.602	20	56.0	201.875	204.354	406.343
21	17.5	228.450	230.956	459.536	21	9.5	204.390	201.845	406.349
21	24.5	230.982	228.452	459.564	21	33.0	201.846	204.376	406.337
21	51.7	228.451	230.999	459.582	21	44.0	204.408	201.854	406.379

in
Bar. 30.29. Ther. 59.0. Run + 3.7. Images 2-3. Steadiness 2-3. F.P. 9.50.

Sirius.

1881, September 24.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	
4	22.3	197.068	194.546	391.784	4	28.9	191.394	193.865	385.416
4	46.3	194.615	197.076	391.843	4	39.1	193.846	191.378	385.374
4	53.1	197.048	194.585	391.781	5	2.3	191.419	193.871	385.428
5	20.1	194.661	197.107	391.802	5	11.3	193.786	191.433	385.352

in
Bar. 30.10. Ther. 52.5. Run + 2.4. Images 1-2. Steadiness 2. F.P. 9.50.

ζ Tucanae.

1881, September 25.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	
21	8.5	195.475	197.939	393.553	21	15.4	203.021	200.544	403.700
21	34.6	197.913	195.458	393.515	21	26.0	200.571	203.059	403.767
21	41.7	195.458	197.951	393.555	21	48.1	203.053	200.540	403.735
22	4.7	197.905	195.443	393.497	21	56.5	200.561	203.008	403.713

in
Bar. 29.90. Ther. 55.8. Run + 4.1. Images 1-2. Steadiness 2. F.P. 9.50.

ε Eridani.

1881, September 25.

a					b				
h	m	r	r	R	h	m	r	r	R
22	47.8	254.293	256.815	511.394	22	56.5	270.282	267.831	538.406
23	14.7	256.800	254.296	511.330	23	6.4	267.816	270.304	538.393
23	22.1	254.303	256.827	511.355	23	30.9	270.334	267.814	538.380
23	50.3	256.821	254.335	511.347	23	40.0	267.821	270.328	538.368

in
Bar. 29.91. Ther. 54.5. Run + 4.1. Images 1-2. Steadiness 2-3. F.P. 9.52.

α₂ Centauri.

1881, September 26.

b					a				
h	m	r	r	R	h	m	r	r	R
20	20.1	240.724	243.247	484.166	20	27.2	194.455	192.098	386.736
20	43.4	243.212	240.714	484.167	20	35.4	191.997	194.481	386.676
20	50.1	240.724	243.226	484.208	20	58.1	194.492	191.970	386.712
21	17.1	243.176	240.633	484.164	21	7.5	191.970	194.428	386.677

in
Bar. 30.16. Ther. 51.3. Run + 5.2. Images 1-2. Steadiness 2-3. F.P. 9.52.

ζ Tucanae.

1881, September 26.

b			a		
h	m	R	h	m	R
22	38.8	200.565	22	46.8	197.906
23	4.2	202.995	22	55.2	195.415
23	12.0	200.539	23	21.2	197.881
		203.019			195.417
		403.736			393.480
		403.659			393.473
		403.709			393.446

Bar. 30.17. Ther. 50.3. Run + 5.4. Images 1-2. Steadiness 1-2. F.P. 9.50.

Canopus.

1881, September 28.

b			a		
h	m	R	h	m	R
3	18.0	47.590	3	23.5	52.542
3	37.0	45.103	3	29.5	55.031
3	44.0	47.566	3	49.5	52.524
4	5.0	45.123	3	56.5	55.023
		45.106			52.529
		92.708			107.574
		92.761			107.593

Bar. 30.31. Ther. 56.0. Run + 5.6. Images 2-3. Steadiness 2-3. F.P. 9.50.

Sirius.

1881, September 28.

b			a		
h	m	R	h	m	R
4	24.9	191.379	4	31.6	197.072
4	48.9	193.843	4	41.7	194.594
4	56.6	191.365	5	3.5	197.048
5	21.2	193.870	5	13.3	194.595
		191.364			197.074
		385.398			391.806
		385.353			391.801
		385.351			391.757
		385.364			391.805

Bar. 30.31. Ther. 55.3. Run + 2.8. Images 2. Steadiness 2. F.P. 9.50.

 α₂ Centauri.

1881, September 30.

a			b		
h	m	R	h	m	R
19	20.1	192.042	19	25.6	243.227
19	39.5	194.517	19	32.6	240.785
19	46.3	192.010	19	55.7	243.247
20	16.1	194.479	20	6.1	240.791
		191.972			243.232
		386.684			484.120
		386.649			484.177
		386.654			484.157
		386.615			484.197

Bar. 30.20. Ther. 60.0. Run + 3.5. Images 2-3. Steadiness 2-3. F.P. 9.50.

 α₂ Centauri.

1881, October 4.

b			a		
h	m	R	h	m	R
21	0.7	240.706	21	6.9	194.435
21	19.9	243.176	21	13.7	191.952
21	26.6	240.661	21	33.6	194.412
21	54.1	243.066	21	44.2	191.841
		240.521			194.339
		484.167			386.620
		484.155			386.689
		484.206			386.717
		484.167			386.611

Bar. 30.07. Ther. 58.5. Run + 4.3. Images 2-3. Steadiness 2-3. F.P. 9.50.

Canopus.

1881, October 4.

a				b					
h	m	r	R	h	m	r	R		
1	47.2	52.533	54.987	107.593	1	53.9	47.560	45.067	92.689
2	10.3	54.981	52.531	107.577	2	2.1	45.103	47.552	92.714
2	16.2	52.507	55.018	107.588	2	24.8	47.554	45.109	92.716
2	40.3	55.002	52.526	107.578	2	33.5	45.100	47.599	92.748

in
Bar. 30.07. Ther. 57.0. Run + 4.7. Images 2. Steadiness 2-3.

 α_2 Centauri.

1881, October 6.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	R	
19	51.7	192.000	194.490	386.629	19	59.2	243.230	240.750	484.147
20	16.2	194.481	192.011	386.657	20	8.9	240.750	243.225	484.152
20	22.2	192.015	194.466	386.654	20	30.0	243.220	240.745	484.175
20	46.7	194.447	191.944	386.610	20	38.1	240.702	243.293	484.121

in
Bar. 30.07. Ther. 56.0. Run + 3.3. Images 1-2. Steadiness 2.

 ϵ Indi.

1881, October 6.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
23	11.7	204.349	201.919	406.409	23	20.7	228.466	230.961	459.583
23	48.7	201.878	204.342	406.373	23	32.2	230.985	228.476	459.622
23	56.6	204.351	201.891	406.399	0	4.8	228.475	230.955	459.605
0	25.4	201.845	204.364	406.378	0	17.8	230.936	228.479	459.596

in
Bar. 30.08. Ther. 54.8. Run + 4.2. Images 2. Steadiness 2. F.P. 9.50.

Canopus.

1881, October 8.

<i>b</i>				<i>a</i>					
h	m	r	R	h	m	r	R		
1	45 ^{.2}	47 ^{.574}	45 ^{.092}	92 ^{.733}	1	52 ^{.5}	52 ^{.499}	55 ^{.001}	107 ^{.571}
2	5 ^{.5}	45 ^{.118}	47 ^{.608}	92 ^{.785}	1	59 ^{.2}	54 ^{.997}	52 ^{.516}	107 ^{.582}
2	12 ^{.2}	47 ^{.592}	45 ^{.129}	92 ^{.777}	2	18 ^{.0}	52 ^{.512}	54 ^{.977}	107 ^{.552}
2	33 ^{.3}	45 ^{.115}	47 ^{.582}	92 ^{.748}	2	25 ^{.7}	55 ^{.001}	52 ^{.532}	107 ^{.594}

in
Bar. 30.10. Ther. 55.0. Run + 4.6. F.P. 9.50.

Sirius.

1881, October 8.

a				b				
h	m	r	R	h	m	r	R	
2	47.8	194.539	196.993	2	57.2	193.797	191.286	385.368
3	15.3	197.006	194.550	3	8.2	191.285	193.782	385.325
3	23.2	194.547	197.039	3	32.9	193.847	191.332	385.393
3	52.7	197.101	194.584	3	43.4	191.340	193.846	385.386

in
Bar. 30.15. Ther. 54.5. Run + 3.7. Images 1-2. Steadiness 2.

α_2 Centauri.

1881, October 10.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	r	R
20	17.3	243.211	240.716	484.119	20	26.0	192.010	194.478	386.671
20	45.6	240.716	243.200	484.164	20	36.6	194.479	191.987	386.668
20	54.6	243.200	240.692	484.165	21	5.0	191.950	194.440	386.663
21	29.4	240.628	243.104	484.152	21	19.8	194.422	191.909	386.657

in
Bar. 30.32. Ther. 50.0. Run + 2.8. Images 1-2. Steadiness 2-3. F.P. 9.50.

 ζ Tucanae.

1881, October 10.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
22	0.9	200.572	203.039	403.760	22	8.2	197.955	195.422	393.530
22	25.6	203.032	200.539	403.722	22	16.9	195.444	197.940	393.538
22	34.4	200.523	203.039	403.714	22	44.8	197.923	195.459	393.539
23	5.3	203.049	200.519	403.723	22	55.1	195.438	197.939	393.534

in
Bar. 30.32. Ther. 50.3. Run + 5.9. Images 1-2. Steadiness 2. F.P. 9.50.

 ϵ Indi.

1881, October 12.

<i>a</i>					<i>b</i>				
h	m	r	r	κ	h	m	r	r	κ
1	5.8	230.919	228.452	459.579	1	13.1	201.876	204.320	406.393
1	32.7	228.488	230.950	459.664	1	21.6	204.310	201.857	406.369
1	41.1	230.922	228.469	459.622	1	48.7	201.841	204.290	406.351
2	7.4	228.468	230.912	459.629	1	59.8	204.323	201.826	406.376

in
Bar. 30.23. Ther. 57.5. Run + 3.7. Images 2-3. Steadiness 2-3. F.P. 9.50.

Sirius.

1881, October 12.

<i>b</i>				<i>a</i>					
h.	m	r	R	h	m	r	R		
2	33.1	193.741	191.300	385.402	2	40.7	194.464	196.947	391.775
2	59.5	191.337	193.775	385.391	2	53.0	196.932	194.492	391.744
3	6.8	193.762	191.313	385.337	3	15.8	194.532	196.964	391.757
3	34.0	191.360	193.798	385.369	3	26.8	196.983	194.539	391.761

in
Bar. 30.22. Ther. 58.5. Run + 2.7. Images 3. Steadiness 3. F.P. 9.50.

 α_2 Centauri.

1881, October 19.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
20	51.0	243.195	240.774	484.226	20	58.1	192.016	194.435	386.697
21	17.3	240.695	243.133	484.179	21	8.4	194.381	191.992	386.651
21	23.2	243.126	240.702	484.206	21	29.7	191.960	194.346	386.666
21	46.1	240.641	243.032	484.191	21	38.2	194.350	191.969	386.718

in
Bar. 30.20. Ther. 58.3. Run + 4.6. Images 2-3. Steadiness 2-3. F.P. 9.50.

ε Indi.

1881, October 19.

b					a				
h	m	r	r	R	h	m	r	r	R
0	58.2	201.891	204.307	406.384	1	7.2	230.914	228.452	459.574
1	24.0	204.286	201.830	406.319	1	16.3	228.488	230.926	459.628
1	31.3	201.882	204.311	406.400	1	38.0	230.895	228.464	459.586
1	55.0	204.278	201.847	406.347	1	47.3	228.493	230.876	459.602

in
Bar. 30.22. Ther. 60.0. Run + 4.0. Images 2-3. Steadiness 2-3. F.P. 9.50.

Sirius.

1881, October 19.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	
2	16.1	194.455	196.877	391.819	2	25.2	193.663	191.246	385.302
2	43.1	197.914	194.534	391.801	2	35.4	191.281	193.701	385.333
2	49.5	194.514	196.950	391.796	2	57.6	193.707	191.278	385.266
3	17.0	197.004	194.571	391.833	3	7.8	191.308	193.746	385.312

in
Bar. 30.22. Ther. 60.0. Run + 1.8. Images 1-2. Steadiness 2. F.P. 9.50.

α₂ Centauri.

1881, October 24.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>
21	35.1	194.383	191.969	386.738	21	40.7	240.667	243.075	484.224
21	54.0	191.913	194.279	386.684	21	47.4	242.991	240.635	484.155
22	1.1	194.277	191.845	386.663	22	9.2	240.573	242.908	484.210
22	26.8	191.759	194.072	386.603	22	17.7	242.845	240.456	484.131

in
Bar. 30.01. Ther. 54.5. Run + 3.2. Images 2-3. Steadiness 2-3. F.P. 9.50.

ε Indi.

1881, October 28.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	
1	47.8	228.437	230.904	459.579	1	57.8	204.269	201.803	406.300
2	19.7	230.868	228.426	459.556	2	9.6	201.769	204.307	406.312
2	24.3	228.426	230.884	459.575	2	31.9	204.247	201.797	406.298
2	48.8	230.860	228.406	459.550	2	41.7	201.795	204.228	406.284

in
Bar. 29.98. Ther. 46.8. Run + 4.2. Images 2. Steadiness 2. F.P. 9.50.

Sirius.

1881, October 28.

b				a					
h	m	r	R	h	m	r	R		
3	9.2	193.782	191.302	385.342	3	18.1	194.541	197.030	391.829
3	36.0	191.307	193.772	385.290	3	27.1	197.014	194.512	391.766
3	45.2	193.794	191.293	385.287	3	53.4	194.568	197.043	391.813
4	14.1	191.327	193.799	385.294	4	4.2	197.044	194.565	391.798

in
Bar. 29.90. Ther. 47.3. Run + 2.8. Images 1. Steadiness 1-2. F.P. 9.50.

Sirius.

1881, October 30.

a				b			
h	m	r	R	h	m	r	R
2	58.9	196.089	194.473	3	6.5	191.264	193.755
3	20.9	194.521	196.997	3	14.9	193.744	191.279
3	27.2	197.000	194.478	3	41.8	191.317	193.783
3	57.6	194.577	197.041	3	49.2	193.789	191.299

in
Bar. 30.38. Ther. 47.0. Run + 2.2. Images 1-2. Steadiness 2-3. F.P. 9.50.

 α_2 Centauri.

1881, October 31.

b				a			
h	m	r	R	h	m	r	R
21	35.3	243.087	240.564	21	45.9	191.846	194.339
22	4.3	240.534	242.955	21	55.0	194.326	191.812
22	12.1	242.917	240.443	22	19.2	191.742	194.216
22	32.8	240.321	242.738	22	26.1	194.189	191.674

in
Bar. 30.40. Ther. 52.0. Run + 3.1. Images 2-3. Steadiness 2-3. F.P. 9.50.

 ϵ Indi.

1881, October 31.

b				a			
h	m	r	R	h	m	r	R
1	31.0	204.288	201.823	1	38.4	228.403	230.887
1	57.2	201.827	204.296	1	46.9	230.884	228.427
2	3.9	204.295	201.799	2	11.9	228.404	230.839
2	27.7	201.805	204.260	2	20.6	230.886	228.401

in
Bar. 30.35. Ther. 50.5. Run + 3.5. Images 2. Steadiness 2-3. F.P. 9.50.

 ϵ Indi.

1881, November 3.

a				b			
h	m	r	R	h	m	r	R
23	45.5	228.456	230.932	23	51.0	204.358	201.877
0	7.4	230.919	228.447	23	59.1	201.879	204.321
0	15.1	228.437	230.945	0	23.2	204.327	201.865
0	41.6	230.907	228.432	0	33.0	201.875	204.346

in
Bar. 30.09. Ther. 60.2. Run + 2.7. Images 2. Steadiness 2-3. F.P. 9.50.

 ϵ Indi.

1881, November 5.

b				a			
h	m	r	R	h	m	r	R
0	12.1	204.320	201.856	0	18.8	228.460	230.918
0	32.5	201.865	204.331	0	26.2	230.921	228.453
0	38.4	204.325	201.840	0	45.2	228.467	230.900
1	3.1	201.838	204.326	0	51.2	230.903	228.447

in
Bar. 30.02. Ther. 60.4. Run + 3.2. Images 2. Steadiness 2-3. F.P. 9.50.

ε Indi.

1881, November 7.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>
1	48.2	230.881	228.402	459.516	1	54.3	201.856	204.327	406.405
2	12.6	228.437	230.882	459.571	2	5.5	204.316	201.847	406.393
2	18.3	230.861	228.403	459.521	2	25.4	201.833	204.278	406.355
2	43.1	228.419	230.879	459.573	2	33.6	204.304	201.820	406.374

in
Bar. 30.00. Ther. 55.3. Run + 3.7. Images 3. Steadiness 3. F.P. 9.50.

Sirius.

1881, November 7.

b					a				
h	m	r	r	R	h	m	r	R	
3	2.0	191.301	193.739	385.313	3	9.4	196.997	194.550	391.823
3	26.1	193.771	191.333	385.328	3	18.6	194.558	196.996	391.808
3	33.5	191.353	193.785	385.351	3	40.2	197.038	194.566	391.820
3	56.8	193.788	191.340	385.312	3	48.4	194.577	197.003	391.785

in
Bar. 29.96. Ther. 54.8. Run + 2.8. Images 2-3. Steadiness 2-3.

α₂ Centauri.

1881, November 13.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>
6	46.8	194.412	191.894	386.627	6	55.0	240.569	243.022	484.071
7	21.1	192.012	194.492	386.698	7	7.6	243.067	240.661	484.121
7	30.9	194.487	192.040	386.701	7	39.7	240.690	243.147	484.090
7	55.7	192.025	194.495	386.658	7	48.5	243.188	240.666	484.082

in
Bar. 30.15. Ther. 47.9. Run + 3.2. Images 3. Steadiness 3.

Sirius.

1881, November 14.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>
2	17.0	196.858	194.387	391.730	2	25.0	191.237	193.734	385.368
2	40.1	194.419	196.941	391.726	2	32.3	193.724	191.272	385.361
2	48.0	196.900	194.429	391.666	2	56.7	191.325	193.763	385.375
3	14.8	194.488	197.005	391.757	3	4.8	193.792	191.277	385.336

in
Bar. 30.07. Ther. 53.5. Run + 2.0. Images 3. Steadiness 3. F.P. 9.50.

ε Indi.

1881, November 15.

b				a					
h	m	r	R	h	m	r	R		
0	54.1	201.844	204.341	406.369	1	1.2	230.935	228.407	459.547
1	15.8	204.312	201.836	406.346	1	9.6	228.426	230.896	459.532
1	23.2	201.854	204.340	406.396	1	31.2	230.890	228.397	459.511
1	48.7	204.313	201.848	406.381	1	39.7	228.417	230.891	459.537

in
Bar. 30.04. Ther. 55.5. Run + 5.1. Images 1. Steadiness 2. F.P. 9.50.

ε Indi.

1881, November 18.

a				b			
h	m	r	R	h	m	r	R
0	46.3	230.894	228.414	0	53.9	201.858	204.333
1	9.7	228.418	230.909	1	2.5	204.309	201.888
1	16.6	230.899	228.409	1	23.5	201.841	204.326
1	40.5	228.423	230.879	1	33.9	204.323	201.803
			459.507				406.378
			459.539				406.389
			459.525				406.372
			459.534				406.339

Bar. 30.25. Ther. 52.5. Run + 4.1. Images 2. Steadiness 2. F.P. 9.50.

 α₂ Centauri.

1881, November 18.

b				a			
h	m	r	R	h	m	r	R
6	54.9	240.551	243.048	7	6.0	194.444	191.976
7	25.6	243.136	240.658	7	15.7	191.974	194.483
7	33.3	240.667	243.164	7	43.3	194.489	191.998
8	3.5	243.174	240.742	7	55.0	193.017	194.492
			484.077				386.657
			484.095				386.665
			484.104				386.639
			484.112				386.648

Bar. 30.26. Ther. 51.2. Run + 3.8. Images 2. Steadiness 2-3. F.P. 9.50.

Sirius.

1881, November 19.

b				a			
h	m	r	R	h	m	r	R
3	33.0	191.302	193.776	3	39.9	197.033	194.541
3	55.5	193.816	191.293	3	47.8	194.554	197.032
4	2.1	191.312	193.768	4	11.1	197.053	194.560
4	28.4	193.824	191.324	4	20.4	194.609	197.048
			385.290				391.791
			385.294				391.791
			385.257				391.791
			385.302				391.828

Bar. 30.01. Ther. 57.0. Run + 3.7. Images 2. Steadiness 2. F.P. 9.50.

ε Indi.

1881, November 24.

b				a			
h	m	r	R	h	m	r	R
2	36.1	201.821	204.314	2	43.2	230.867	228.404
2	59.8	204.235	201.841	2	51.5	228.395	230.840
3	8.1	201.837	204.282	3	16.1	230.842	228.405
3	37.3	204.269	201.789	3	28.3	228.415	230.896
			406.386				459.546
			406.346				459.518
			406.395				459.549
			406.358				459.622

Bar. 30.18. Ther. 57.9. Run + 3.5. Images 3. Steadiness 3. F.P. 9.50.

Sirius.

1881, November 25.

a				b			
h	m	r	R	h	m	r	R
4	3.6	194.596	197.093	4	10.9	193.811	191.328
4	28.5	197.073	194.594	4	21.3	191.323	193.844
4	36.5	194.603	197.037	4	43.0	193.815	191.326
4	58.7	197.067	194.590	4	51.8	191.351	193.824
			391.875				385.308
			391.830				385.327
			391.796				385.285
			391.799				385.315

Bar. 29.98. Ther. 58.8. Run + 2.0. Images 1-2. Steadiness 1-2. F.P. 9.50.

α_2 Centauri.

1881, November 25.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	r	R
7	40.8	192.001	194.520	386.673	7	47.8	243.151	240.653	484.027
8	4.2	194.500	192.006	386.632	7	55.9	240.666	243.174	484.044
8	12.0	192.024	194.503	386.647	8	19.4	243.161	240.690	484.019
8	34.6	194.512	192.014	386.637	8	26.9	240.691	243.194	484.045

in
Bar. 29.93. Ther. 59.5. Run + 2.5. Images 2-3. Steadiness 3. F.P. 9.50.

 α_2 Centauri.

1881, November 28.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
7	40.1	243.166	240.719	484.136	7	48.9	192.056	194.526	386.728
8	6.6	240.729	243.270	484.189	7	57.1	194.531	192.063	386.731
8	14.5	243.213	240.706	484.099	8	21.2	192.058	194.575	386.752
8	39.2	240.783	243.267	484.204	8	29.8	194.547	192.051	386.714

in
Bar. 30.04. Ther. 47.7. Run + 4.5. Images 1-2. Steadiness 2-3. F.P. 9.50.

Sirius.

1881, December 1.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
3	7.6	193.776	191.269	385.307	3	14.6	194.587	197.036	391.889
3	26.6	191.323	193.796	385.344	3	20.1	197.077	194.582	391.915
3	33.0	193.790	191.332	385.338	3	39.6	194.615	197.092	391.928
3	55.4	191.339	193.815	385.341	3	47.6	197.024	194.667	391.900

in
Bar. 30.25. Ther. 53.5. Run + 2.4. Images 1-2. Steadiness 2. F.P. 9.50.

 ϵ Eridani.

1881, December 1.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	R	
5	26° 0	256° 857	254° 353	511° 380	5	33° 9	267° 842	270° 311	538° 327
5	50° 9	254° 378	256° 853	511° 406	5	41° 8	270° 327	267° 832	538° 335
5	59° 8	256° 870	254° 367	511° 414	6	7° 6	267° 845	270° 334	538° 359
6	23° 0	254° 387	256° 821	511° 389	6	15° 6	270° 301	267° 861	538° 345

in
Bar. 30.25. Ther. 55.0. Run + 4.0. Images 1-2. Steadiness 2. F.P. 9.50.

 α_2 Centauri.

1881, December 4.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	r	R
7	58.0	192.089	194.484	386.705	8	6.3	243.157	240.750	484.092
8	20.9	194.513	192.054	386.682	8	13.5	240.766	243.209	484.151
8	44.4	192.072	194.480	386.660	8	50.0	243.187	240.756	484.096
8	56.2	194.491	192.088	386.686	9	4.7	243.170	240.777	484.085

in
Bar. 29.97. Ther. 60.5. Run + 4.3. Images 2. Steadiness 2. F.P. 9.50.

e Eridani.

1881, December 8.

b				a			
h	m	r	R	h	m	r	R
5	25.9	267.878	270.308	5	33.5	256.814	254.400
5	47.2	270.292	267.871	5	40.3	254.419	256.803
5	53.7	267.882	270.290	6	3.3	256.805	254.415
6	21.5	270.305	267.890	6	12.7	254.393	256.839
		538.358				511.384	
		538.340				511.395	
		538.350				511.398	
		538.378				511.411	

Bar. 30.16. Ther. 54.0. Run + 4.8. Images 1-2. Steadiness 1-2. F.P. 9.50.

e Eridani.

1881, December 9.

a				b			
h	m	r	R	h	m	r	R
6	6.6	254.446	256.851	6	13.2	270.298	267.898
6	26.6	256.825	254.447	6	19.8	267.896	270.299
6	32.9	254.422	256.822	6	39.0	270.326	267.884
6	54.9	256.809	254.423	6	46.1	267.883	270.311
		511.472				537.375	
		511.452				537.375	
		511.426				537.394	
		511.419				537.380	

Bar. 30.11. Ther. 54.0. Run + 1.5. Images 1-2. Steadiness 2. F.P. 9.50.

 α₂ Centauri.

1881, December 9.

b				a			
h	m	r	R	h	m	r	R
7	9.2	243.118	240.646	7	16.8	192.060	194.486
7	32.1	240.741	243.144	7	23.9	194.447	192.064
7	40.6	243.142	240.760	7	50.2	192.082	194.454
8	6.5	240.763	243.209	7	59.4	194.499	192.059
		484.137				386.746	
		484.156				386.694	
		484.146				386.676	
		484.158				386.689	

Bar. 30.07. Ther. 60.0. Run + 3.3. Images 2. Steadiness 2-3. F.P. 9.50.

ζ Tucanae.

1881, December 10.

a				b			
h	m	r	R	h	m	r	R
5	0.7	195.498	197.901	5	6.3	202.972	200.595
5	19.0	197.938	195.502	5	12.3	200.582	202.998
5	24.7	195.497	197.877	5	31.4	203.011	200.581
5	45.7	197.910	195.502	5	39.0	200.605	202.989
		393.511				403.680	
		393.556				403.694	
		393.492				403.714	
		393.541				403.719	

Bar. 30.05. Ther. 61.3. Run + 2.6. Images 2-3. Steadiness 2-3. F.P. 9.50.

ε Indi.

1881, December 11.

a				b			
h	m	r	R	h	m	r	R
1	39.9	228.500	230.861	1	45.9	204.286	201.868
2	0.1	230.871	228.502	1	52.0	201.888	204.299
2	5.4	228.497	230.852	2	13.1	204.347	201.926
2	29.0	230.852	228.468	2	22.1	201.919	204.281
		459.588				406.369	
		459.614				406.406	
		459.594				406.505	
		459.583				406.440	

Bar. 30.12. Ther. 62.0. Run + 5.1. Images 2-3. Steadiness 2-3. F.P. 9.50.

Sirius.

1881, December 12.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	
2	58.0	194.616	196.975	391.893	3	4.2	193.734	191.335	385.335
3	18.7	196.990	194.613	391.854	3	13.0	191.341	193.773	385.359
3	24.8	194.621	197.076	391.936	3	32.5	193.747	191.350	385.308
3	48.9	197.030	194.645	391.878	3	40.7	191.369	193.765	385.333

ⁱⁿ
Bar. 30.04. Ther. 63.0. Run + 2.6. Images 2-3. Steadiness 2-3. F.P. 9.50.

ζ Tucanae.

1881, December 13.

<i>b</i>				<i>a</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	
4	13.0	202.982	200.573	4	18.8	195.519	197.928	393.556
4	31.3	200.684	203.019	4	25.3	197.909	195.529	393.547
4	38.0	202.955	200.608	4	45.0	195.496	197.862	393.467
4	57.0	200.622	203.022	4	51.4	197.908	195.502	393.525

ⁱⁿ
Bar. 29.99. Ther. 61.0. Run + 3.1. Images 2-3. Steadiness 3. F.P. 9.50.

ε Indi.

1881, December 16.

<i>b</i>					<i>a</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	
1	53.0	204.338	201.862	406.419	1	58.9	228.477	230.873	459.589
2	14.6	201.889	204.296	406.418	2	8.4	230.787	228.485	459.518
2	20.5	204.246	201.897	406.381	2	28.3	228.475	230.887	459.623
2	44.9	201.892	204.246	406.394	2	37.2	230.818	228.485	459.570

ⁱⁿ
Bar. 29.89. Ther. 60.0. Run + 2.2. Images 3. Steadiness 3. F.P. 9.50.

ε Eridani.

1881, December 16.

<i>b</i>					<i>a</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>		<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	
5	20.5	270.287	267.891	538.344	5	27.5	254.422	256.810	511.397
5	43.5	267.916	270.278	538.366	5	36.6	256.822	254.429	511.418
5	55.2	270.301	267.906	538.381	6	5.9	254.482	256.822	511.478
6	22.4	267.854	270.307	538.340	6	14.8	256.839	254.430	511.445

ⁱⁿ
Bar. 29.90. Ther. 61.5. Run + 4.3. Images 2-3. Steadiness 2-3. F.P. 9.50.

ε Indi.

1881, December 17.

<i>a</i>				<i>b</i>					
<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>		
2	48.7	228.478	230.860	459.617	2	55.1	204.259	201.895	406.420
3	19.6	230.802	228.448	459.554	3	13.1	201.885	204.217	406.382

ⁱⁿ
Bar. 30.24. Ther. 60.0. Run + 3.7. Images 2. Steadiness 2-3. F.P. 9.50.

Sirius.

1881, December 18.

<i>b</i>					<i>a</i>				
h	m	r	R		h	m	r	R	
3	57.0	193.765	191.393	385.341	4	6.1	194.628	196.996	391.808
4	20.1	191.405	193.763	385.331	4	12.7	197.010	194.659	391.847
4	27.2	193.788	191.419	385.364	4	34.1	194.676	197.019	391.856
4	50.2	191.378	193.770	385.291	4	43.1	197.079	194.676	391.909

in
Bar. 30.22. Ther. 58.0. Run + 2.3. Images 2-3. Steadiness 2-3. F.P. 9.50.

e Eridani.

1881, December 18.

<i>b</i>					<i>a</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	
5	56.4	270.265	267.910	538.352	6	4.6	254.429	256.800	511.406
6	18.6	267.896	270.291	538.369	6	12.1	256.793	254.421	511.392
6	24.5	270.309	267.885	538.377	6	32.7	254.409	256.798	511.391
6	51.0	267.893	270.273	538.354	6	42.1	256.795	254.421	511.402

in
Bar. 30.22. Ther. 57.0. Run + 4.3. Images 1-2. Steadiness 1-2. F.P. 9.50.

ε Indi.

1881, December 20.

<i>b</i>					<i>a</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	
2	36.5	204.232	201.902	406.383	2	47.8	228.486	230.801	459.562
3	3.3	201.874	204.253	406.396	2	54.5	230.802	228.447	459.530
3	12.6	204.237	201.892	406.405	3	21.1	228.440	230.818	459.559
3	44.5	201.892	204.206	406.399	3	35.3	230.791	228.457	459.561

in
Bar. 30.02. Ther. 62.0. Run + 2.0. Images 2-3. Steadiness 3. F.P. 9.50.

e Eridani.

1881, December 21.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	
5	37.2	254.419	256.842	511.430	5	44.6	270.297	267.910	538.380
6	4.2	256.933	254.296	511.404	5	52.3	267.886	270.293	538.354
6	11.1	254.331	256.913	511.420	6	18.3	270.385	267.775	538.339
6	41.0	256.908	254.322	511.414	6	30.2	267.776	270.410	538.367

in
Bar. 30.10. Ther. 61.0. Run + 3.9. Images 2. Steadiness 3. F.P. 9.50.

α₂ Centauri.

1881, December 23.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>
9	2°6	194°482	192°032	386°621	9	9°8	240°768	243°212	484°119
9	23°4	192°021	194°529	386°659	9	17°6	243°227	240°703	484°068
9	29°7	194°539	191°997	386°646	9	36°7	240°744	243°231	484°111
9	53°9	192°027	194°475	386°615	9	44°9	243°194	240°726	484°056

in
Bar. 30.09. Ther. 53.5. Run + 3.8. Images 1. Steadiness 2. F.P. 9.50.

Sirius.

1881, December 24.

a				b			
h	m	r	R	h	m	r	R
4	12.0	197.061	194.611	4	18.9	191.319	193.816
4	35.4	194.604	197.119	4	26.6	193.820	191.348
4	42.8	197.087	194.617	4	49.5	191.368	193.807
5	7.7	194.629	197.089	4	59.0	193.832	191.329

ⁱⁿ
Bar. 30.06. Ther. 60.8. Run + 4.0. Images 2-3. Steadiness 3. F.P. 9.50.

 α_2 Centauri.

1881, December 25.

b				a			
h	m	r	R	h	m	r	R
7	17.2	240.642	243.147	7	25.0	194.470	192.002
7	41.0	243.167	240.688	7	32.7	192.026	194.484
7	50.0	240.714	243.153	7	59.1	194.492	192.001
8	15.8	243.220	240.707	8	7.0	192.014	194.473

ⁱⁿ
Bar. 30.07. Ther. 59.0. Run + 2.6. Images 2. Steadiness 2. F.P. 9.50.

 ϵ Indi.

1882, January 4.

a				b			
h	m	r	R	h	m	r	R
3	9.0	230.828	228.384	3	17.2	201.845	204.315
3	33.4	228.388	230.784	3	24.1	204.288	201.835
3	41.0	230.779	228.395	3	47.8	201.872	204.253
4	1.8	228.387	230.803	3	55.6	204.258	201.822

ⁱⁿ
Bar. 30.06. Ther. 66.0. Run + 2.6. Images 2-3. Steadiness 3. F.P. 9.58.

Sirius.

1882, January 17.

b				a			
h	m	r	R	h	m	r	R
3	59.5	193.787	191.341	4	3.9	194.608	197.080
4	16.9	191.342	193.814	4	11.6	197.094	194.611
4	22.4	193.796	191.328	4	27.6	194.630	197.097
4	38.8	191.332	193.826	4	33.4	197.083	194.650

ⁱⁿ
Bar. 30.04. Ther. 69.5. Run + 2.4. Images 2. Steadiness 2. F.P. 9.42.

 α_2 Centauri.

1882, January 17.

a				b			
h	m	r	R	h	m	r	R
7	53.7	194.473	191.973	8	1.0	240.712	243.190
8	13.2	192.001	194.510	8	7.6	243.195	240.680
8	19.8	194.499	191.989	8	28.1	240.747	243.234
8	45.9	192.017	194.512	8	35.6	243.186	240.716

ⁱⁿ
Bar. 30.05. Ther. 67.0. Run + 3.2. Images 2-3. Steadiness 2-3. F.P. 9.50.

e Eridani.

1882, January 18.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	
6	55.0	256.862	254.350	511.397	7	1.3	267.795	270.311	538.292
7	13.7	254.354	256.824	511.367	7	7.7	270.296	267.812	538.295
7	19.1	256.811	254.367	511.369	7	26.1	267.804	270.305	538.299
7	39.0	254.350	256.854	511.398	7	32.3	270.307	267.789	538.287

in
Bar. 30.07. Ther. 65.0. Run + 3.1. Images 2-3. Steadiness 3.

 α₂ Centauri.

1882, January 18.

b					a				
h	m	r	r	R	h	m	r	R	
8	21.9	240.727	243.162	484.054	8	29.5	194.481	192.008	386.601
8	40.3	243.209	240.703	484.060	8	35.9	191.992	194.499	386.601
8	45.9	240.731	243.213	484.089	8	52.3	194.535	191.988	386.630
9	6.2	243.202	240.729	484.079	8	59.2	192.042	194.500	386.648

in
Bar. 30.11. Ther. 62.5. Run + 3.5. Images 2-3. Steadiness 2-3.

e Eridani.

1882, January 19.

b					a				
h	m	r	r	R	h	m	r	r	R
6	19.1	270.318	267.833	538.331	6	25.9	254.370	256.844	511.394
6	39.7	267.835	270.299	538.318	6	33.1	256.842	254.370	511.394
6	46.3	270.325	267.828	538.339	6	53.7	254.369	256.842	511.398
7	9.8	267.849	270.261	538.299	7	1.4	256.822	254.385	511.396

in
Bar. 30.15. Ther. 61.0. Run + 4.1. Images 2. Steadiness 2-3.

ε Indi.

1882, January 20.

a				b					
h	m	r	R	h	m	r	R		
3	51.3	230.785	228.344	459.454	3	57.7	201.828	204.289	406.427
4	13.0	228.392	230.795	459.528	4	5.8	204.285	201.798	406.399
4	20.6	230.782	228.382	459.511	4	28.0	201.801	204.260	406.391
4	45.4	228.335	230.809	459.507	4	36.1	204.248	201.809	406.391

in
Bar. 30.05. Ther. 63.0. Run + 4.2. Images 2-3. Steadiness 3. F.P. 9.50.

 α₂ Centauri.

1882, January 20.

a^1					b^1				
h	m	r	r	R	h	m	r	r	R
10	34.5	108.670	108.678	217.472	10	48.9	114.133	114.140	228.391
10	41.9	108.716	108.729	217.564	10	55.2	114.129	114.143	228.387
11	19.0	108.708	108.740	217.548	11	3.5	114.140	114.150	228.401
11	26.7	108.721	108.747	217.565	11	10.2	114.169	114.157	228.434

in
Bar. 30.00. Ther. 61.5. Run + 0.7. Images 2-3. Steadiness 2-3. F.P. 9.50.

Sirius.

1882, January 21.

<i>a</i>				<i>b</i>			
h	m	r	R	h	m	r	R
3	48.0	197.061	194.620	3	53.7	191.346	193.788
4	6.1	194.651	197.098	4	0.0	193.774	191.347
4	13.0	197.123	194.652	4	20.9	191.361	193.767
4	35.2	194.654	197.104	4	28.9	193.785	191.353
			391.883				385.318
			391.931				385.299
			391.949				385.287
			391.915				385.289

Bar. 30.03^{in} . Ther. 65°o . Run + 3.3. Images 2. Steadiness 2. F.P. 9.50 .

 α_2 Centauri.

1882, January 21.

<i>a</i>				<i>b</i>			
h	m	r	R	h	m	r	R
7	16.3	191.963	194.465	7	23.3	243.147	240.664
7	39.2	194.428	192.041	7	31.4	240.688	243.117
7	45.5	192.028	194.451	7	52.5	243.149	240.709
8	9.0	194.503	192.008	8	1.3	240.718	243.169
			386.627				484.112
			386.622				484.075
			386.623				484.068
			386.633				484.079

Bar. 30.03^{in} . Ther. 65°o . Run + 2.7. Images 2. Steadiness 2-3.

 α_2 Centauri.

1882, January 22.

<i>b</i> ¹				<i>a</i> ¹			
h	m	r	R	h	m	r	R
8	8.9	112.833	115.274	8	16.1	109.855	107.429
8	32.8	115.306	112.875	8	25.5	107.387	109.915
8	39.0	112.872	115.321	8	45.5	109.884	107.429
9	1.1	115.290	112.870	8	54.4	107.443	109.905
			228.358				217.533
			228.406				217.538
			228.411				217.526
			228.356				217.552

Bar. 30.02^{in} . Ther. 69°o . Run + 2.9. Images 3. Steadiness 3. F.P. 9.50 .

 ζ Tucanae.

1882, January 23.

<i>a</i>				<i>b</i>			
h	m	r	R	h	m	r	R
4	36.3	197.863	195.494	4	42.9	200.554	202.995
4	56.4	195.458	197.931	4	49.9	203.013	200.542
5	2.4	197.941	195.459	5	8.7	200.552	203.013
5	25.4	195.459	197.903	5	16.4	202.999	200.563
			393.465				403.659
			393.499				403.666
			393.511				403.678
			393.478				403.675

Bar. 29.98^{in} . Ther. 65°o . Run + 2.4. Images 2-3. Steadiness 3. F.P. 9.50 .

 α_2 Centauri.

1882, January 28.

<i>a</i> ¹				<i>b</i> ¹			
h	m	r	R	h	m	r	R
10	19.6	107.515	109.952	10	26.4	115.321	112.915
10	40.1	109.933	107.510	10	34.1	112.944	115.355
10	47.1	107.515	109.923	10	54.0	115.341	112.954
11	10.8	109.944	107.523	11	2.5	112.958	115.346
			217.600				228.368
			217.564				228.427
			217.554				228.411
			217.572				228.416

Bar. 29.92^{in} . Ther. 60°o . Run + 2.2. Images 2. Steadiness 2. F.P. 9.60 .

α_2 Centauri.

1882, February 3.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
8	6.9	241.936	241.907	484.029	8	17.4	193.257	193.234	386.608
8	12.1	241.966	241.949	484.093	8	23.1	193.224	193.248	386.587
8	46.2	241.955	241.951	484.052	8	29.7	193.256	193.273	386.642
8	51.7	241.969	241.982	484.095	8	37.4	193.233	193.245	386.589

in
Bar. 29.89. Ther. 56.0. Run + 3.5. Images 2. Steadiness 2-3. F.P. 9.50.

 α_2 Centauri.

1882, February 3.

b^1					a^1				
h	m	r	r	R	h	m	r	r	R
10	29.2	114.138	114.134	228.403	10	50.3	108.734	108.723	217.573
10	39.3	114.133	114.106	228.305	10	59.0	108.727	108.728	217.566
11	25.0	114.145	114.146	228.390	11	8.3	108.730	108.729	217.569
11	32.5	114.155	114.148	228.399	11	16.0	108.734	108.739	217.580

in
Bar. 29.81. Ther. 55.5. Run + 0.6. Images 2. Steadiness 2.

 α_2 Centauri.

1882, February 5.

a^1				b^1					
h	m	r	R	h	m	r	R		
8	53.9	107.481	109.906	217.596	9	0.2	115.292	112.872	228.365
9	15.5	109.905	107.451	217.542	9	7.7	112.876	115.338	228.408
9	24.0	107.426	109.901	217.506	9	32.1	115.342	112.896	228.410
9	50.0	109.926	107.481	217.563	9	43.0	112.913	115.340	228.417

in
Bar. 30.05. Ther. 59.0. Run + 2.3. Images 2. Steadiness 2-3. F.P. 9.50.

 α_2 Centauri.

1882, February 6.

δ^1					α^1				
h	m	r	r	R	h	m	r	R	
8	28.9	112.909	115.361	228.502	8	35.5	109.898	107.438	217.564
8	51.3	115.273	112.892	228.373	8	44.3	107.446	109.874	217.538
8	58.4	112.917	115.287	228.406	9	6.5	109.854	107.482	217.531
9	24.5	115.293	112.882	228.353	9	16.2	107.509	109.886	217.580

in
Bar. 30.06. Ther. 62.5. Run + 0.4. Images 2. Steadiness 3. F.P. 9.50.

Sirius.

1882, February 6.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	r	R
9	37.3	191.399	193.840	385.373	9	44.3	197.086	194.652	391.874
10	2.3	193.801	191.338	385.287	9	54.3	194.636	197.069	391.848
10	8.3	191.334	193.789	385.275	10	14.4	197.122	194.661	391.986
10	28.1	193.776	191.313	385.258	10	21.1	194.671	197.118	391.948

in
Bar. 30.05. Ther. 58.5. Run + 1.1. Images 3. Steadiness 3. F.P. 9.50.

α_2 Centauri.

1882, February 8.

a^1			b^1		
h	m	R	h	m	R
12	16.0	107.543	12	22.0	115.366
12	36.5	109.972	12	29.4	112.980
12	43.5	107.545	12	50.3	115.400
13	7.4	109.991	13	0.3	112.947
		109.969			112.963
		217.592			228.410
		217.590			228.436
		217.600			228.435
		217.617			228.415

in
Bar. 30.22. Ther. 46°. Run + 0.2. Images 2. Steadiness 2. F.P. 9.50.

 α_2 Centauri.

1882, February 10.

b^1			a^1		
h	m	R	h	m	R
11	14.6	115.323	11	21.9	107.562
11	38.2	112.957	11	29.5	109.929
11	48.3	115.375	11	56.4	107.546
12	14.5	112.968	12	5.5	109.963
		115.357			107.572
		228.349			217.632
		228.414			217.542
		228.455			217.558
		228.408			217.618

in
Bar. 29.97. Ther. 62°. Run + 0.5. Images 2. Steadiness 2-3. F.P. 9.50.

 α_2 Centauri.

1882, February 11.

a^1			b^1		
h	m	R	h	m	R
10	35.3	109.943	10	42.2	112.933
10	58.8	107.505	10	51.8	115.325
11	5.2	109.946	11	13.4	112.960
11	31.2	107.545	11	21.5	115.319
		109.958			112.923
		217.618			228.386
		217.509			228.370
		217.542			228.432
		217.598			228.343

in
Bar. 29.99. Ther. 70°. Run + 2.0. Images 2-3. Steadiness 2-3. F.P. 9.50.

 α_2 Centauri.

1882, February 12.

b^1			a^1		
h	m	R	h	m	R
10	18.1	112.907	10	25.3	109.884
10	42.0	115.254	10	34.2	107.544
10	50.5	112.941	10	57.7	109.957
11	19.4	115.342	11	9.7	107.497
		112.943			109.935
		228.356			217.534
		228.337			217.622
		228.370			217.592
		228.389			217.537

in
Bar. 29.99. Ther. 66°. Run + 2.7. Images 3. Steadiness 3. F.P. 9.50.

 α_2 Centauri.

1882, February 13.

a^1			b^1		
h	m	R	h	m	R
12	11.3	107.563	12	17.0	115.332
12	35.3	109.999	12	28.4	112.958
12	41.0	107.513	12	47.0	115.389
13	2.9	110.001	12	57.4	112.939
		109.960			115.391
		217.603			228.368
		217.620			228.398
		217.521			228.418
		217.598			228.402

in
Bar. 30.00. Ther. 67°. Run + 0.4. Images 2. Steadiness 2. F.P. 9.50.

α_2 Centauri.

1882, February 14.

a					b				
h	m	r	r	R	h	m	r	R	
7	50.4	192.009	194.453	386.600	7	57.1	243.140	240.713	484.053
8	11.0	194.470	191.991	386.580	8	3.9	240.727	243.160	484.076
8	17.0	192.029	194.460	386.605	8	25.7	243.165	240.751	484.075
8	44.1	194.454	192.065	386.627	8	36.7	240.762	243.169	484.080

in
Bar. 29.99. Ther. 67.0. Run + 4.0. Images 1-2. Steadiness 2-3. F.P. 9.50.

 α_2 Centauri.

1882, February 16.

δ^1					a^1				
h	m	r	r	R	h	m	r	r	R
11	47.0	114.157	114.166	228.417	11	54.1	108.748	108.724	217.560
12	13.0	114.156	114.149	228.391	12	7.3	108.742	108.784	217.609
12	19.2	114.159	114.171	228.413	12	26.2	108.760	108.749	217.587
12	36.5	114.218	114.159	228.456	12	42.6	108.770	108.748	217.592

in
Bar. 30.21. Ther. 59.0. Run + 2.3. Images 1. Steadiness 1. F.P. 9.50.

 α_2 Centauri.

1882, February 17.

a^1					δ^1				
h	m	r	r	R	h	m	r	r	R
8	16.1	109.895	107.467	217.614	8	23.6	112.893	115.285	228.415
8	38.4	107.463	109.883	217.571	8	31.7	115.304	112.859	228.392
8	45.8	109.877	107.464	217.557	8	54.5	112.886	115.260	228.351
9	13.7	107.464	109.903	217.554	9	4.6	115.293	112.865	228.353

in
Bar. 30.10. Ther. 64.0. Run + 2.5. Images 3. Steadiness 3. F.P. 9.50.

Sirius.

1882, February 17.

<i>a</i>				<i>b</i>					
h	m	r	R	h	m	r	R		
9	45 ⁸	197 ⁰ 54	194 ⁶ 660	391 ⁸ 849	9	53 ³	191 ⁴ 405	193 ⁸ 844	385 ³ 392
10	9 ⁹	194 ⁶ 686	197 ¹ 105	391 ⁹ 940	10	0 ³	193 ⁷ 787	191 ³ 355	385 ² 288
10	21 ³	197 ⁰ 53	194 ⁶ 777	391 ⁸ 888	10	31 ⁴	191 ³ 370	193 ⁷ 733	385 ² 273
10	47 ⁴	194 ⁶ 909	197 ⁰ 899	391 ⁹ 961	10	39 ⁹	193 ⁸ 813	191 ³ 334	385 ² 327

in
Bar. 30.10. Ther. 62.5. Run + 1.9. Images 2-3. Steadiness 2-3. F.P. 9.50.

 α_2 Centauri.

1882, February 18.

δ^1					a^1				
h	m	r	r	R	h	m	r	r	R
9	28.5	114.088	114.090	228.352	9	40.6	108.670	108.738	217.571
9	34.2	114.117	114.094	228.380	9	47.9	108.703	108.727	217.587
10	11.2	114.151	114.134	228.426	9	56.0	108.686	108.659	217.495
10	19.5	114.119	114.123	228.378	10	3.4	108.686	108.693	217.524

in
Bar. 30.08. Ther. 65.0. Run + 1.1. Images 3. Steadiness 3. F.P. 9.50.

Sirius.

1882, February 19.

<i>b</i>				<i>a</i>			
h	m	r	R	h	m	r	R
9	21.6	193.797	193.778	9	27.8	194.713	194.713
9	41.6	191.398	191.366	9	34.5	197.096	197.143
9	51.6	191.413	191.386	9	58.7	197.113	197.110
10	13.6	193.805	193.780	10	5.4	194.700	194.664
			385.299				391.953
			385.296				391.968
			385.336				391.962
			385.336				391.906

Bar. 29.86. Ther. 71.5. Run + 1.2. Images 2-3. Steadiness 2-3. F.P. 9.50.

 α_2 Centauri.

1882, February 25.

<i>a</i> ¹				<i>b</i> ¹			
h	m	r	R	h	m	r	R
10	4.4	108.751	108.694	10	9.6	114.102	114.088
10	24.6	108.727	108.735	10	17.8	114.101	114.088
10	31.3	108.751	108.717	10	37.9	114.116	114.115
10	58.3	108.721	108.727	10	47.9	114.116	114.118
			217.591				228.334
			217.593				228.328
			217.595				228.357
			217.560				228.354

Bar. 30.25. Ther. 61.5. Run + 3.6. Images 2. Steadiness 2. F.P. 9.50.

Sirius.

1882, February 26.

<i>a</i>				<i>b</i>			
h	m	r	R	h	m	r	R
9	19.3	194.694	197.140	9	26.8	193.769	191.319
9	43.8	197.162	194.626	9	35.9	191.371	193.883
9	53.7	194.736	197.194	10	1.7	193.851	191.322
10	19.4	197.110	194.671	10	10.7	191.366	193.775
			391.961				385.217
			391.923				385.386
			392.070				385.320
			391.938				385.294

Bar. 30.13. Ther. 63.0. Run + 0.4. Images 3. Steadiness 3. F.P. 9.50.

 α_2 Centauri.

1882, March 3.

<i>b</i>				<i>a</i>			
h	m	r	R	h	m	r	R
9	47.9	243.196	240.760	10	16.1	191.991	194.468
10	51.4	240.715	243.165	10	42.1	194.436	192.038
10	56.4	243.175	240.749	11	14.4	192.000	194.443
			484.090	11	51.4	194.473	192.025
			484.024				386.575
			484.069				386.595
							386.570
							386.630

Bar. 30.11. Ther. 60.0. Run + 2.9. Images 2-3. Steadiness 2-3. F.P. 9.50.

 α_2 Centauri.

1882, March 4.

<i>a</i>				<i>b</i>			
h	m	r	R	h	m	r	R
8	23.4	194.427	191.989	8	31.4	240.727	243.172
8	42.7	192.022	194.464	8	37.2	243.172	240.723
8	47.6	194.464	192.025	8	55.2	240.752	243.188
9	9.9	192.051	194.468	9	2.4	243.171	240.764
			386.531				484.055
			386.596				484.046
			386.596				484.081
			386.625				484.074

Bar. 30.10. Ther. 60.0. Run + 2.3. Images 2. Steadiness 2-3.

α_2 Centauri.

1882, March 4.

 b^1
 a^1

h	m	r	r	R
9	41.8	112.892	115.296	228.353
10	5.3	115.360	112.935	228.442
10	11.4	112.906	115.340	228.388
10	32.3	115.345	112.898	228.373

h	m	r	r	R
9	48.5	109.956	107.535	217.648
9	57.2	107.480	109.918	217.549
10	17.4	109.952	107.507	217.595
10	25.2	107.507	109.958	217.596

Bar. 30.09. Ther. 60.0. Run + 2.9. Images 2. Steadiness 2.

 ζ Tucanae.

1882, March 5.

 a
 b

h	m	r	r	R
6	32.9	197.867	195.448	393.497
6	54.3	195.400	197.820	393.444
7	2.3	197.820	195.382	393.445
7	26.8	195.395	197.760	393.473

h	m	r	r	R
6	41.1	200.505	202.928	403.624
6	47.0	202.918	200.508	403.629
7	10.2	200.474	202.866	403.599
7	19.3	202.899	200.455	403.642

Bar. 30.15. Ther. 66.0. Run + 2.8. Images 2. Steadiness 2-3. F.P. 9.50.

 α_2 Centauri.

1882, March 5.

 b
 a

h	m	r	r	R
11	17.7	240.725	243.196	484.070
11	36.6	243.178	240.724	484.063
11	42.0	240.735	243.148	484.035
12	3.5	243.176	240.727	484.058

h	m	r	r	R
11	22.3	194.488	192.012	386.627
11	30.0	192.014	194.458	386.601
11	49.8	194.459	191.996	386.586
11	57.2	192.013	194.456	386.601

Bar. 30.15. Ther. 65.0. Run + 3.7. Images 1-2. Steadiness 1. F.P. 9.50.

 α_2 Centauri.

1882, March 6.

 a
 b

h	m	r	r	R
8	14.8	194.424	191.986	386.530
8	35.5	192.044	194.417	386.572
8	42.2	194.465	192.046	386.621
9	5.2	192.012	194.457	386.576

h	m	r	r	R
8	21.6	240.716	243.154	484.037
8	28.4	243.158	240.750	484.068
8	49.1	240.743	243.175	484.063
8	58.0	243.202	240.752	484.095

Bar. 30.14. Ther. 59.0. Run + 2.9. Images 2-3. Steadiness 2-3. F.P. 9.50.

Sirius.

1882, March 6.

 b
 a

h	m	r	r	R
9	29.3	193.815	191.343	385.290
9	52.0	191.375	193.776	385.294
9	59.9	193.794	191.333	385.275
10	23.8	191.347	193.798	385.312

h	m	r	r	R
9	36.0	194.676	197.135	391.944
9	44.5	197.130	194.667	391.935
10	9.9	194.678	197.154	391.985
10	16.8	197.138	194.675	391.970

Bar. 30.14. Ther. 56.0. Run + 1.8. Images 2. Steadiness 2-3.

Canopus.

1882, March 8.

a				b			
h	m	r	R	h	m	r	R
8	38.9	55.004	52.573	8	44.9	45.131	47.587
9	0.7	52.558	54.987	8	54.0	47.599	45.170
9	6.9	54.987	52.582	9	13.9	45.166	47.591
9	33.1	52.537	54.985	9	23.9	47.594	45.164

in
Bar. 30.33. Ther. 58.0. Run + 3.6. Images 2. Steadiness 2. F.P. 9.50.

Sirius.

1882, March 8.

a				b			
h	m	r	R	h	m	r	R
9	52.8	194.679	197.163	10	0.2	193.776	191.346
10	17.2	197.145	194.652	10	8.7	191.342	193.765
10	25.3	194.704	197.093	10	34.2	193.769	191.345
10	48.7	197.106	194.621	10	41.4	191.328	193.812

in
Bar. 30.33. Ther. 57.0. Run + 1.7. Images 2-3. Steadiness 2-3.

e Eridani.

1882, March 9.

a				b			
h	m	r	R	h	m	r	R
7	12.0	256.800	254.364	7	17.1	267.786	270.257
7	31.0	254.366	256.857	7	24.1	270.258	267.787
7	38.2	256.874	254.352	7	45.3	267.774	270.287
8	4.2	254.380	256.830	7	54.5	270.262	267.799

in
Bar. 30.21. Ther. 60.0. Run + 3.2. Images 2. Steadiness 2-3. F.P. 9.50.

e Indi.

1882, March 10.

a				b			
h	m	r	R	h	m	r	R
15	36.1	230.565	228.153	15	42.7	201.751	204.173
15	58.3	228.228	230.666	15	51.3	204.256	201.733
16	6.4	230.689	228.241	16	16.8	201.804	204.285
16	36.8	228.311	230.724	16	27.4	204.273	201.856

in
Bar. 30.05. Ther. 55.0. Run + 3.5. Images 3. Steadiness 3. F.P. 9.50.

e Eridani.

1882, March 11.

b				a			
h	m	r	R	h	m	r	R
7	25.6	267.837	270.289	7	32.8	256.859	254.396
7	52.1	270.279	267.811	7	44.3	254.445	256.862
8	0.6	267.816	270.190	8	7.2	256.848	254.415
8	22.7	270.286	267.821	8	15.3	254.375	256.877

in
Bar. 29.97. Ther. 63.0. Run + 2.2. Images 2-3. Steadiness 3-4. F.P. 9.50.

Sirius.

1882, March 13.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	r	R
9	20.5	191.369	193.802	385.299	9	27.8	197.115	194.665	391.909
9	42.0	193.817	191.334	385.287	9	34.8	194.648	197.120	391.900
9	50.5	191.372	193.833	385.345	9	57.6	197.172	194.649	391.965
10	16.1	193.820	191.353	385.331	10	7.6	194.677	197.104	391.930

in
Bar. 30.15. Ther. 61.0. Run + 2.0. Images 2. Steadiness 2. F.P. 9.50.

ζ Tucanae.

1882, March 14.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
6	46.9	200.476	202.935	403.614	6	57.6	197.876	195.375	393.484
7	16.7	202.941	200.373	403.595	7	8.4	195.310	197.882	393.453
7	26.6	200.376	202.884	403.575	7	33.8	197.849	195.312	393.507
7	50.6	202.835	200.393	403.651	7	42.6	195.318	197.781	393.483

in
Bar. 30.12. Ther. 61.5. Run + 2.5. Images 2-3. Steadiness 3. F.P. 9.50.

Sirius.

1882, March 14.

<i>a</i>					<i>b</i>				
h	m	r	r	m	h	m	r	r	m
10	36.6	197.088	194.624	391.885	10	43.0	191.349	193.781	385.314
10	57.6	194.606	197.109	391.912	10	51.6	193.781	191.314	385.290
11	4.8	197.112	194.620	391.941	11	11.8	191.314	193.738	385.282
11	28.3	194.649	197.095	392.001	11	21.3	193.734	191.304	385.292

in
Bar. 30.13. Ther. 58.5. Run + 2.0. Images 2. Steadiness 2.

Sirius.

1882, March 15.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	r	R
8	42.9	191.347	193.814	385.277	8	49.0	197.141	194.668	391.927
9	5.1	193.806	191.348	385.275	8	58.4	194.678	197.107	391.904
9	10.8	191.361	193.809	385.293	9	16.4	197.118	194.660	391.902
9	30.6	193.830	191.343	385.303	9	22.7	194.666	197.126	391.918

in
Bar. 30.09. Ther. 64.5. Run + 1.6. Images 1-2. Steadiness 1-2. F.P. 9.50

Sirius.

1882, March 16.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	r	R
9	30.4	194.719	197.121	391.971	9	47.3	193.790	191.408	385.337
10	2.6	197.122	194.666	391.934	9	55.8	191.340	193.792	385.276
10	13.1	194.679	197.159	391.990	10	22.9	193.781	191.337	385.281
10	41.6	197.090	194.704	391.970	10	33.3	191.355	193.758	385.286

in
Bar. 30.08. Ther. 60.0. Run + 2.9. Images 1-2. Steadiness 2. F.P. 9.50.

α_2 Centauri.

1882, March 17.

<i>b</i>				<i>a</i>			
h	m	r	R	h	m	r	R
10	47.6	240.776	243.185	10	54.3	194.452	192.012
11	8.3	243.192	240.758	11	1.4	192.017	194.465
11	16.3	240.748	243.215	11	25.1	194.480	192.016
11	42.4	243.201	240.768	11	34.0	192.047	194.439

in
Bar. 30.17. Ther. 60.5. Run + 2.2. Images 1. Steadiness 2. F.P. 9.50.

 ζ Tucanae.

1882, March 20.

<i>a</i>				<i>b</i>			
h	m	r	R	h	m	r	R
7	8.2	195.465	197.848	7	16.4	202.868	200.442
7	29.6	197.793	195.372	7	23.0	200.480	202.865
7	36.9	195.379	197.755	7	44.4	202.838	200.384
8	0.7	197.742	195.285	7	54.0	200.384	202.766

in
Bar. 30.14. Ther. 64.3. Run + 1.2. Images 2. Steadiness 2-3. F.P. 9.50.

Sirius.

1882, March 20.

<i>b</i>				<i>a</i>			
h	m	r	R	h	m	r	R
10	7.2	193.769	191.367	10	14.8	194.685	197.103
10	33.7	191.373	193.738	10	24.6	197.091	194.679
10	42.2	193.743	191.332	10	53.5	194.739	197.061
11	12.9	191.370	193.717	11	4.0	197.059	194.650

in
Bar. 30.14. Ther. 63.3. Run + 0.9. Images 3. Steadiness 3. F.P. 9.50.

Sirius.

1882, March 21.

<i>a</i>				<i>b</i>			
h	m	r	R	h	m	r	R
10	30.0	194.713	197.089	10	36.6	193.779	191.324
10	54.3	197.087	194.652	10	46.9	191.335	193.740
11	1.1	194.687	197.069	11	7.3	193.721	191.332
11	26.1	197.063	194.660	11	17.1	191.346	193.716

in
Bar. 30.21. Ther. 63.5. Run + 0.3. Images 2-3. Steadiness 3. F.P. 9.50.

Canopus.

1882, March 23.

<i>b</i>				<i>a</i>			
h	m	r	R	h	m	r	R
10	36.2	45.185	47.566	10	44.8	54.960	52.560
11	4.4	47.555	45.183	10	57.1	52.575	54.927
11	11.6	45.128	47.539	11	19.8	54.938	52.560
11	36.3	47.578	45.185	11	29.2	52.556	54.943

in
Bar. 30.00. Ther. 64.5. Run + 3.3. Images 2-3. Steadiness 3. F.P. 9.50.

α_2 Centauri.

1882, March 23.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>
12	1'1	192'036	194'461	386'629	12	7'0	243'181	240'767	484'104
12	22'0	194'505	192'037	386'676	12	14'7	240'760	243'192	484'109
12	29'8	192'036	194'454	386'625	12	37'2	243'177	240'783	484'119
12	55'9	194'464	192'062	386'662	12	46'9	240'776	243'190	484'126

Bar. 29'98. Ther. 63'0. Run + 3'3. Images 2. Steadiness 2.

Canopus.

1882, March 24.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>
10	16'5	52'627	54'952	107'639	10	21'6	47'543	45'160	92'755
10	35'1	54'974	52'591	107'632	10	28'0	45'182	47'545	92'781
10	42'3	52'589	54'952	107'611	10	48'3	47'558	45'190	92'807
11	3'3	54'945	52'555	107'579	10	56'1	45'173	47'558	92'793

Bar. 29'87. Ther. 59'0. Run + 4'0. Images 2. Steadiness 2-3. F.P. 9'50.

 α_2 Centauri.

1882, March 24.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	r	R
11	18'4	243'169	240'786	484'103	11	26'1	192'067	194'467	386'662
11	40'8	240'771	243'183	484'106	11	32'5	194'448	192'028	386'605
11	50'1	243'188	240'751	484'092	11	59'6	192'050	194'461	386'643
12	18'3	240'788	243'184	484'129	12	10'2	194'436	192'020	386'589

Bar. 29'87. Ther. 59'0. Run + 2'7. Images 1-2. Steadiness 2.

Canopus.

1882, March 31.

b				a					
h	m	r	R	h	m	r	R		
11	19'7	47'483	45'203	92'756	11	25'1	52'607	54'892	107'590
11	38'0	45'205	47'490	92'772	11	32'1	54'891	52'599	107'585
11	44'6	47'475	45'199	92'754	11	52'4	52'592	54'911	107'614
12	7'3	45'171	47'469	92'731	12	0'2	54'882	52'594	107'593

Bar. 30'06. Ther. 64'0. Run + 1'7. F.P. 9'50.

Canopus.

1882, April 1.

<i>a</i>				<i>b</i>				
h	m	r	R	h	m	r	R	
11	4'7	52'630	54'887	11	9'5	47'509	45'216	92'792
11	21'2	54'889	52'590	11	15'8	45'224	47'514	92'807
11	25'9	52'600	54'885	11	31'4	47'519	45'162	92'756

Bar. 30'05. Ther. 62'5. Run + 2'1. Images 2. Steadiness 2. F.P. 9'50.

ε Indi.

1882, April 2.

b				a			
h	m	r	R	h	m	r	R
15	56.3	201.788	204.140	16	2.4	230.586	228.290
16	15.9	204.109	201.849	16	9.9	228.375	230.622
16	20.2	201.830	204.226	16	25.3	230.588	228.296
16	39.2	204.175	201.931	16	32.4	228.401	230.631

in
Bar. 30.14. Ther. 62.0. Run + 2.3. Images 2-3. Steadiness 2-3.

ζ Tucanae.

1882, April 2.

b				a			
h	m	r	R	h	m	r	R
17	2.3	200.575	202.864	17	9.5	197.815	195.487
17	24.0	202.840	200.565	17	17.4	195.498	197.835
17	29.6	200.604	202.884	17	36.9	197.831	195.489
17	55.7	202.860	200.552	17	46.9	195.560	197.865

in
Bar. 30.15. Ther. 62.0. Run + 2.7. Images 2-3. Steadiness 2-3.

ε Indi.

1882, April 8.

a				b			
h	m	r	R	h	m	r	R
16	46.1	230.636	228.343	16	51.5	201.928	204.191
17	6.0	228.398	230.701	16	58.7	204.190	201.906
17	11.4	230.703	228.424	17	19.7	201.944	204.233
17	33.3	228.406	230.722	17	26.7	204.231	201.913

in
Bar. 30.01. Ther. 53.0. Run + 2.8. Images 1-2. Steadiness 2. F.P. 9.55.

α₂ Centauri.

1882, April 8.

a				b			
h	m	r	R	h	m	r	R
17	49.0	192.115	194.417	17	56.0	243.161	240.828
18	11.8	194.418	192.098	18	4.2	240.845	243.164
18	17.5	192.085	194.421	18	23.6	243.171	240.847
18	39.0	194.414	192.100	18	32.2	240.842	243.160

in
Bar. 30.01. Ther. 51.5. Run + 2.5. Images 1-2. Steadiness 2. F.P. 9.55.

α₂ Centauri.

1882, April 11.

b				a			
h	m	r	R	h	m	r	R
11	2.7	243.111	240.811	11	9.8	192.108	194.399
11	24.1	240.829	243.143	11	18.2	194.403	192.100
11	30.4	243.131	240.848				

in
Bar. 30.08. Ther. 56.5. Run + 1.2. Images 1-2. Steadiness 1-2. F.P. 9.50.

α_2 Centauri.

1882, April 12.

a			b		
h	m	r	h	m	r
12	37.8	194.395	12	44.2	240.813
13	0.2	192.125	12	52.0	243.129
13	4.9	194.388	13	11.0	240.813
13	32.5	192.128	13	23.1	243.119
		194.434			240.833
		386.646			484.087
		386.664			484.094
		386.628			484.096
		386.698			484.115

Bar. 30.05. Ther. 62.5. Run + 2.0. Images 2. Steadiness 2-3. F.P. 9.50.

 ϵ Indi.

1882, April 17.

b			a		
h	m	r	h	m	r
19	6.1	204.287	19	13.0	228.438
19	26.0	201.992	19	20.0	230.753
19	31.8	204.307	19	39.7	228.452
		201.983	19	48.7	230.760
		406.412			228.449
		406.404			459.357
		406.418			459.358
					459.355

Bar. 30.26. Ther. 60.0. Run + 2.2. Images 2. Steadiness 2-3. F.P. 9.50.

 ϵ Indi.

1882, April 18.

a			b		
h	m	r	h	m	r
17	45.7	228.417	17	52.6	204.219
18	8.7	230.718	17	59.3	201.964
18	15.2	228.466	18	23.2	204.257
18	38.0	230.759	18	30.2	201.990
		230.746			201.953
		459.360			204.292
		459.424			201.972
		459.394			406.372
					406.448
					406.398
					406.428

Bar. 30.08. Ther. 61.0. Run + 1.4. Images 2-3. Steadiness 2-3.

 ζ Tucanae.

1882, April 18.

a			b		
h	m	r	h	m	r
18	51.3	195.549	18	59.9	202.869
19	16.7	197.830	19	8.7	200.589
19	24.1	195.559	19	31.3	202.885
19	47.4	197.832	19	41.3	200.584
		197.842			200.582
		393.501			202.894
		393.460			200.604
		393.525			403.564
		393.503			403.596
					403.604
					403.558

Bar. 30.08. Ther. 57.5. Run + 1.3. Images 2-3. Steadiness 2-3.

 ϵ Indi.

1882, April 19.

b			a		
h	m	r	h	m	r
15	45.3	204.063	15	51.9	228.268
16	7.9	201.878	16	0.7	230.536
16	23.5	204.145	16	33.5	228.344
16	54.6	201.908	16	45.3	230.633
		204.209			228.361
		406.398			459.444
		406.465			459.405
		406.411			459.412
		406.413			459.382

Bar. 30.03. Ther. 58.3. Run + 1.1. Images 2. Steadiness 3-4. F.P. 9.52.

α_2 Centauri.

1882, April 21.

<i>a</i>				<i>b</i>			
h	m	r	R	h	m	r	R
13	4.2	194.395	192.120	13	13.4	240.827	243.107
13	31.6	192.126	194.386	13	22.4	243.107	240.807
13	39.7	194.390	192.104	14	1.2	240.818	243.103
14	26.3	192.134	194.396	14	13.3	243.110	240.843
		386.654				484.100	
		386.652				484.081	
		386.633				484.090	
		386.666				484.122	

in
Bar. 30.17. Ther. 53.0. Run + 2.4. Images 1-2. Steadiness 2. F.P. 9.50.

 α_2 Centauri.

1882, April 22.

<i>b</i>				<i>a</i>			
h	m	r	R	h	m	r	R
11	29.3	240.812	243.119	11	39.4	194.388	192.086
11	59.8	243.096	240.817	11	49.9	192.096	194.399
12	11.8	240.807	243.109	12	26.8	194.408	192.097
12	52.7	243.088	240.825	12	40.3	192.097	194.399
		484.083				386.606	
		484.071				386.628	
		484.075				386.642	
		484.076				386.633	

in
Bar. 30.18. Ther. 57.0. Run + 1.2. Images 2-3. Steadiness 3. F.P. 9.50.

 α_2 Centauri.

1882, April 25.

<i>a</i>				<i>b</i>			
h	m	r	R	h	m	r	R
13	19.6	194.370	192.099	13	33.5	240.815	243.124
13	19.6	194.416	192.118	13	33.5	240.824	243.116
14	0.9	192.123	194.395	13	48.3	243.090	240.812
14	0.9	192.115	194.403	13	48.3	243.111	240.836
		386.607				484.105	
		386.672				484.086	
		386.655				484.069	
		386.655				484.114	

in
Bar. 30.15. Ther. 57.0. Run + 1.6. Images 1-2. Steadiness 2. F.P. 9.52.

 ϵ Indi.

1882, April 25.

<i>a</i>				<i>b</i>			
h	m	r	R	h	m	r	R
15	51.4	228.224	230.522	15	59.0	204.118	201.849
16	15.6	230.559	228.308	16	7.3	201.846	204.123
16	23.9	228.311	230.615	16	34.0	204.155	201.953
		459.367				406.432	
		459.368				406.402	
		459.393				406.458	

in
Bar. 30.15. Ther. 54.0. Run + 3.1. Images 2. Steadiness 2-3.

 α_2 Centauri.

1882, May 4.

<i>b</i>				<i>a</i>			
h	m	r	R	h	m	r	R
18	39.6	240.847	243.151	18	47.3	194.388	192.105
19	3.8	243.140	240.831	18	55.4	192.090	194.406
19	10.6	240.855	243.146	19	19.7	194.408	192.101
19	38.5	243.131	240.827	19	31.0	192.113	194.377
		484.133				386.604	
		484.109				386.609	
		484.131				386.628	
		484.110				386.616	

in
Bar. 30.25. Ther. 57.3. Run + 2.8. Images 2-3. Steadiness 2-3. F.P. 9.50.

ζ Tucanae.

1882, May 4.

b				a			
h	m	r	R	h	m	r	R
19	52.6	202.897	200.573	20	0.6	195.530	197.833
20	18.8	200.577	202.887	20	10.8	197.811	195.529
20	26.1	202.868	200.568	20	35.3	195.522	197.807
20	55.2	200.591	202.889	20	46.1	197.829	195.507
in							
Bar. 30.24.		Ther. 57.8.		Run + 2.3.		Images 2-3.	
						Steadiness 2-3.	

ε Indi.

1882, May 6.

b				a			
h	m	r	R	h	m	r	R
16	17.8	201.862	204.164	16	25.4	230.571	228.304
16	42.2	204.179	201.861	16	33.8	228.324	230.622
16	49.9	201.879	204.200	16	57.9	230.654	228.387
17	15.7	204.221	201.905	17	7.8	228.383	230.658
in							
Bar. 30.07.		Ther. 52.5.		Run + 3.5.		Images 2.	
						Steadiness 2-3.	
						F.P. 9.50.	

 α₂ Centauri.

1882, May 6.

a				b			
h	m	r	R	h	m	r	R
17	27.0	192.100	194.438	17	35.8	243.144	240.812
17	52.2	194.402	192.111	17	43.2	240.845	243.150
18	1.1	192.126	194.427	18	9.9	243.138	240.824
18	25.7	194.433	192.113	18	17.1	240.823	243.138
in							
Bar. 30.06.		Ther. 51.5.		Run + 2.7.		Images 2.	
						Steadiness 2-3.	

 α₂ Centauri.

1882, May 11.

b				a			
h	m	r	R	h	m	r	R
19	29.5	243.104	240.829	19	39.1	192.133	194.423
19	55.7	240.840	243.099	19	49.3	194.406	192.095
20	5.8	243.128	240.813	20	14.2	192.085	194.403
20	36.5	240.820	243.089	20	25.3	194.396	192.082
in							
Bar. 30.01.		Ther. 54.0.		Run + 3.6.		Images 2-3.	
						Steadiness 2-3.	
						F.P. 9.50.	

ε Indi.

1882, May 18.

a				b			
h	m	r	R	h	m	r	R
15	56.8	230.541	228.252	16	5.7	201.830	204.120
16	23.3	228.305	230.615	16	15.8	204.153	201.856
16	29.1	230.600	228.325	16	40.8	201.952	204.163
17	1.2	228.371	230.667	16	51.3	204.175	201.928
in							
Bar. 30.22.		Ther. 51.0.		Run + 1.2.		Images 2.	
						Steadiness 3-4.	
						F.P. 9.50.	

α_2 Centauri.

1882, May 18.

<i>a</i>				<i>b</i>					
h	m	r	R	h	m	r	R		
17	22.0	192.137	194.417	386.677	17	29.8	243.124	240.814	484.082
17	48.4	194.400	192.121	386.632	17	38.8	240.827	243.140	484.110
17	57.2	192.113	194.427	386.650	18	9.0	243.124	240.830	484.093
18	27.4	194.405	192.130	386.645	18	17.0	240.818	243.122	484.078
in									
Bar. 30.21.		Ther. 50.5.		Run + 3.3.		Images 2.		Steadiness 2-3.	

 α_2 Centauri.

1882, May 19.

<i>b</i>				<i>a</i>					
h	m	r	R	h	m	r	R		
16	33.6	243.134	240.797	484.083	16	42.6	192.112	194.443	386.673
16	59.7	240.828	243.137	484.112	16	51.8	194.418	192.099	386.634
17	10.7	243.138	240.825	484.109	17	22.6	192.108	194.434	386.655
17	40.4	240.817	243.159	484.119	17	31.1	194.442	192.118	386.672
in									
Bar. 30.02. Ther. 49.5. Run + 3.7. Images 2. Steadiness 2-3. F.P. 9.50.									

 α_2 Centauri.

1882, May 20.

<i>a</i>					<i>b</i>				
h	m	r		R	h	m	r		R
11	32.2	194.412	192.087	386.630	11	39.2	240.776	243.125	484.055
12	1.0	192.092	194.450	386.677	11	47.8	243.135	240.788	484.079
in									
Bar. 30.18. Ther. 55.0. Run + 3.0.					Images 2. Steadiness 2. F.P. 9.50.				

 α_2 Centauri.

1882, May 21.

<i>b</i>				<i>a</i>					
h	m	r	R	h	m	r	R		
11	18.4	243.109	240.796	484.057	11	25.8	192.095	194.440	386.667
11	43.8	240.816	243.132	484.105	11	35.1	194.408	192.098	386.640
11	49.9	243.113	240.788	484.069	11	58.7	192.108	194.432	386.676
12	22.8	240.794	243.138	484.095	12	12.4	194.445	192.108	386.690
in									
Bar. 30.46. Ther. 54.8. Run + 2.7. Images 2-3. Steadiness 2-3. F.P. 9.50.									

 α_2 Centauri.

1882, May 22.

<i>a</i>				<i>b</i>					
h	m	r	R	h	m	r	R		
11	13.1	194.412	192.099	386.639	11	20.6	240.810	243.108	484.070
11	36.6	192.114	194.428	386.675	11	28.8	243.135	240.798	484.087
11	43.1	194.448	192.126	386.708	11	51.7	240.799	243.144	484.102
12	11.1	192.102	194.419	386.658	12	2.6	243.130	240.793	484.083
in									
Bar. 30.28. Ther. 51.8. Run + 2.7. Images 1-2. Steadiness 2-3. F.P. 9.50.									

α_2 Centauri.

1882, May 22.

<i>b</i>					<i>a</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>
17	47.9	240.819	243.111	484.073	17	56.7	194.423	192.088	386.622
18	14.8	243.143	240.786	484.069	18	5.7	192.107	194.442	386.660
18	21.7	240.818	243.162	484.119	18	28.9	194.474	192.091	386.676
18	48.8	243.115	240.818	484.073	18	41.6	192.109	194.436	386.657

in
Bar. 30.28. Ther. 46.0. Run + 2.9. Images 2. Steadiness 2-3. F.P. 9.50.

 α_2 Centauri.

1882, May 24.

<i>b</i>					<i>a</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	
9	49' 5	243' 113	240' 807	484' 057	10	1' 0	192' 112	386' 646	
10	18' 7	240' 809	243' 156	484' 106	10	11' 2	194' 428	386' 654	
10	24' 8	243' 157	240' 794	484' 093	10	31' 9	192' 104	386' 652	
10	54' 9	240' 814	243' 127	484' 088	10	44' 3	194' 418	386' 640	

in
Bar. 30.43. Ther. 57.0. Run + 1.9. Images 2. Steadiness 2-3. F.P. 9.50.

 α_2 Centauri.

1882, May 25.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	
9	52.4	192.011	194.546	386.670	10	2.6	243.207	240.709	484.053
10	18.4	194.527	192.026	386.670	10	10.2	240.716	243.205	484.060
10	26.2	192.038	194.503	386.660	10	33.2	243.207	240.715	484.064
10	53.6	194.523	192.020	386.667	10	44.1	240.711	243.232	484.087

in
Bar. 30.40. Ther. 59.0. Run + 2.7. Images 2-3. Steadiness 2-3. F.P. 9.50.

 α_2 Centauri.

1882, May 25.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>
19	17.1	192.026	194.516	386.664	19	23.6	243.219	240.708	484.074
19	39.8	194.498	191.993	386.623	19	31.6	240.684	243.212	484.046
19	48.1	192.029	194.512	386.680	19	55.9	243.208	240.696	484.073
20	13.2	194.487	192.008	386.660	20	4.1	240.722	243.188	484.086

in
Bar. 30.38. Ther. 50.0. Run + 3.8. Images 2. Steadiness 2.

 α_2 Centauri.

1882, May 29.

<i>b</i>					<i>a</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>
17	4 ¹	243 ² 201	240 ⁷ 714	484 ⁰ 063	17	11 ⁰	192 ⁰ 035	194 ⁴ 513	386 ⁸ 662
17	28 ⁷	240 ⁷ 752	243 ¹ 197	484 ⁰ 092	17	19 ⁰	194 ⁴ 494	192 ⁰ 038	386 ⁶ 645
18	0 ⁸	243 ¹ 198	240 ⁷ 747	484 ⁰ 084	18	11 ⁴	192 ⁰ 056	194 ⁴ 488	386 ⁶ 654
18	31 ⁹	240 ⁷ 758	243 ¹ 208	484 ⁰ 103	18	22 ³	194 ⁴ 524	192 ⁰ 044	386 ⁶ 678

in
Bar. 30.08. Ther. 49.0. Run + 1.9. Images 2. Steadiness 2. F.P. 9.50.

e Eridani.

1882, June 25.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	R	
0	5 ^o 0	256 ^o 962	254 ^o 499	511 ^o 645	0	14 ^o 9	267 ^o 823	270 ^o 319	538 ^o 334
0	36 ^o 2	254 ^o 523	256 ^o 963	511 ^o 651	0	25 ^o 7	270 ^o 318	267 ^o 838	538 ^o 340
0	43 ^o 3	256 ^o 952	254 ^o 511	511 ^o 625	0	50 ^o 8	267 ^o 853	270 ^o 299	538 ^o 323
1	5 ^o 9	254 ^o 512	256 ^o 984	511 ^o 651	0	59 ^o 2	270 ^o 372	267 ^o 861	538 ^o 401

in
Bar. 30^o39. Ther. 50^o0. Run + 3^o5. Images 2-3. Steadiness 2-3. F.P. 9^o50.

e Eridani.

1882, June 29.

<i>b</i>					<i>a</i>				
h	m	r		R	h	m	r		R
23	13·9	267·801	270·234	538·301	23	20·7	256·890	254·437	511·599
23	41·1	270·295	267·796	538·315	23	33·6	254·450	256·913	511·578
23	49·6	267·803	270·263	538·280	23	57·6	256·961	254·453	511·604
0	17·9	270·292	267·822	538·303	0	9·6	254·482	256·913	511·576

in
Bar. 30^o18. Ther. 45^o5. Run + 3^o6. Images 1-2. Steadiness 2. F.P. 9^o50.

e Eridani.

1882, July 1.

<i>a</i>					<i>b</i>				
h	m	r	R		h	m	r	R	
23	20 ^o 5	256 ^o 834	254 ^o 391	511 ^o 459	23	29 ^o 1	267 ^o 742	270 ^o 177	538 ^o 161
23	47 ^o 3	254 ^o 393	256 ^o 837	511 ^o 431	23	38 ^o 8	270 ^o 162	267 ^o 704	538 ^o 094
23	54 ^o 7	256 ^o 844	254 ^o 398	511 ^o 435	0	3 ^o 3	267 ^o 728	270 ^o 208	538 ^o 138
0	25 ^o 4	254 ^o 413	256 ^o 854	511 ^o 439	0	15 ^o 6	267 ^o 737	270 ^o 173	538 ^o 102

in
Bar. 30^o15. Ther. 42^o8. Run + 2^o2. Images 2. Steadiness 2-3. F.P. 9^o50.

e Eridani.

1882, July 7.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
23	45 ^o 2	270 ^o 159	267 ^o 709	538 ^o 083	23	52 ^o 8	254 ^o 406	256 ^o 845	511 ^o 442
0	14 ^o 4	267 ^o 736	270 ^o 195	538 ^o 119	0	6 ^o 0	256 ^o 849	254 ^o 386	511 ^o 415
0	30 ^o 4	270 ^o 213	267 ^o 746	538 ^o 137	0	38 ^o 9	254 ^o 413	256 ^o 856	511 ^o 430
0	55 ^o 1	267 ^o 749	270 ^o 201	538 ^o 115	0	45 ^o 3	256 ^o 848	254 ^o 410	511 ^o 417

in
Bar. 30^o15. Ther. 55^o0. Run + 1^o5. Images 2-3. Steadiness 2. F.P. 9^o50.

e Eridani.

1882, July 9.

<i>a</i>					<i>b</i>				
h	m	r	R		h	m	r	R	
22	44 ^o 3	254 ^o 384	256 ^o 822	511 ^o 510	22	51 ^o 4	270 ^o 137	267 ^o 691	538 ^o 145
23	9 ^o 0	256 ^o 842	254 ^o 372	511 ^o 466	23	1 ^o 9	267 ^o 704	270 ^o 178	538 ^o 173
23	14 ^o 6	254 ^o 367	256 ^o 833	511 ^o 444	23	23 ^o 4	270 ^o 168	267 ^o 721	538 ^o 140
23	43 ^o 1	256 ^o 845	254 ^o 408	511 ^o 460	23	34 ^o 1	267 ^o 724	270 ^o 163	538 ^o 123

Ther. 44^o0. Run + 1^o5. Images 1-2. Steadiness 2. F.P. 9^o50.

α_1 Centauri.

1882, August 1.

a^1					b^1				
h	m	r	r	R	h	m	r	r	R
18	11.1	110.076	107.592	217.781	18	17.5	112.815	115.298	228.239
18	31.5	107.603	110.038	217.766	18	24.4	115.289	112.801	228.220
18	37.5	110.042	107.604	217.774	18	46.0	112.886	115.290	228.320
19	3.0	107.596	110.058	217.800	18	55.6	115.248	112.800	228.200

in
Bar. 30.47. Ther. 56.0. Run + 0.9. Images 2. Steadiness 2-3. F.P. 9.50.

 α_2 Centauri.

1882, August 2.

b^1					a^1				
h	m	r	r	R	h	m	r	r	R
19	55.9	115.227	112.716	228.156	20	6.6	110.040	107.552	217.798
20	0.3	112.755	115.232	228.205	20	13.3	107.563	110.013	217.788
20	32.3	115.219	112.758	228.241	20	20.9	109.996	107.556	217.774
20	39.0	112.787	115.206	228.268	20	26.2	107.527	110.011	217.766

in
Bar. 30.36. Ther. 58.0. Run + 3.0. Images 2. Steadiness 2. F.P. 9.50.

 α_2 Centauri.

1882, August 3.

a^1					b^1				
h	m	r	r	R	h	m	r	R	
19	17.0	107.585	110.060	217.802	19	31.3	112.829	115.239	228.253
19	23.8	110.031	107.598	217.792	19	37.7	115.238	112.763	228.192
20	1.7	107.534	110.027	217.762	19	46.3	112.803	115.271	228.276
20	10.4	110.026	107.554	217.789	19	51.8	115.296	112.761	228.265

in
Bar. 30.33. Ther. 56.0. Run + 1.2. Images 2-3. Steadiness 3. F.P. 9.50.

 α_2 Centauri.

1882, August 6.

b^1					a^1				
h	m	r	r	R	h	m	r	r	R
19	44.3	112.760	115.218	228.182	19	50.6	110.073	107.548	217.814
20	8.7	115.239	112.707	228.180	20	1.9	107.508	110.053	217.766
20	17.1	112.752	115.241	228.239	20	25.4	110.071	107.527	217.831
20	42.7	115.263	112.749	228.300	20	34.5	107.542	110.049	217.836

in
Bar. 30.28. Ther. 44.5. Run + 4.3. Images 2-3. Steadiness 2. F.P. 9.38.

 α_2 Centauri.

1882, August 7.

a^1					b^1				
h	m	r	r	R	h	m	r	r	R
19	6.5	107.615	109.998	217.761	19	11.4	115.240	112.863	228.269
19	30.6	110.035	107.601	217.806	19	20.3	112.819	115.250	228.243
19	46.0	107.603	110.012	217.799	19	51.5	115.210	112.804	228.223
20	7.3	109.980	107.595	217.781	20	1.0	112.826	115.172	227.217

in
Bar. 30.29. Ther. 55.0. Run + 4.1. Images 2. Steadiness 2-3. F.P. 9.50.

α_2 Centauri.

1882, August 11.

δ^1					a^1				
h	m	r	r	R	h	m	r	r	R
19	6.5	115.206	112.849	228.217	19	19.5	110.028	107.622	217.811
19	11.7	112.878	115.201	228.246	19	24.6	107.639	109.991	217.805
19	44.6	115.180	112.802	228.183	19	33.2	109.984	107.582	217.739
19	50.0	112.810	115.195	228.213	19	38.2	107.586	110.006	217.769

in
Bar. 30.22. Ther. 51.0. Run + 3.7. Images 2. Steadiness 2.

 α_2 Centauri.

1882, August 12.

a^1					b^1				
h	m	r	r	κ	h	m	r	r	κ
19	24.0	107.627	110.006	217.797	19	34.5	112.830	115.200	228.219
19	28.7	110.009	107.642	217.819	19	38.4	115.185	112.829	228.207
19	56.3	107.591	109.971	217.757	19	46.3	112.806	115.207	228.216
20	1.0	110.011	107.626	217.838	19	50.8	115.213	112.812	228.234

in
Bar. 30.11. Ther. 50.0. Run + 2.9. Images 1. Steadiness 1.

 α_2 Centauri.

1882, August 18.

δ^1				α^1					
h	m	r	R	h	m	r	R		
19	44.0	110.057	107.606	217.848	19	56.0	115.212	112.781	228.210
19	49.4	107.636	110.010	217.837	19	59.6	112.792	115.196	228.209
20	22.3	110.029	107.612	217.869	20	9.2	115.174	112.831	228.238
20	29.0	107.580	110.017	217.834	20	14.9	112.760	115.195	228.196

in
Bar. 30.22. Ther. 47.0. Run + 2.0. Images 2. Steadiness 2.

Canopus.

1882, September 1.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	r	R
0	18.7	54.958	52.487	107.576	0	29.0	47.524	45.050	92.695
0	23.8	52.479	54.931	107.537	0	36.9	45.112	47.550	92.775
0	55.7	54.971	52.534	107.609	0	41.7	47.536	45.103	92.748
1	0.9	52.525	54.969	107.594	0	47.4	45.074	47.542	92.720

in
Bar. 30.23. Ther. 43.0. Run + 3.6. Images 2. Steadiness 2-3.

Sirius.

1882, September 1.

<i>a</i>				<i>b</i>					
h	m	r	R	h	m	r	R		
1	54.2	195.581	195.589	391.854	2	7.5	192.388	192.386	385.275
1	59.8	195.644	195.620	391.891	2	13.1	192.416	192.433	385.314
2	33.5	195.731	195.733	391.864	2	19.5	192.448	192.445	385.323
2	40.0	195.748	195.778	391.899	2	27.7	192.497	192.409	385.295

in
Bar. 30.23. Ther. 44.0. Run + 4.1. Images 2. Steadiness 2-3. F.P. 9.50.

Sirius.

1882, September 3.

<i>b</i>					<i>a</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	
3	44.1	192.540	192.510	385.249	3	54.6	195.873	195.851	391.923
3	49.0	192.546	192.561	385.300	3	58.5	195.841	195.807	391.842
4	17.8	192.569	192.539	385.273	4	5.6	195.862	195.846	391.894
4	23.4	192.570	192.569	385.299	4	12.0	195.847	195.830	391.855

Bar. 30.30. Ther. 49.0. Run + 4.3. Images 2. Steadiness 2. F.P. 9.50.

Sirius.

1882, September 8.

a					b				
h	m	r	r	R	h	m	r	r	R
3	17.0	197.020	194.604	391.881	3	28.5	193.797	191.296	385.312
3	22.2	194.561	197.095	391.903	3	32.5	191.260	193.762	385.236
3	55.8	197.093	194.638	391.926	3	40.7	193.772	191.308	385.282
3	59.9	194.621	197.071	391.883	3	48.0	191.294	193.806	385.292

Bar. 30.21. Ther. 52.0. Run + 5.0. Images 2. Steadiness 2.

Sirius.

1882, September 25.

<i>b</i>					<i>a</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>
3	58.7	191.327	193.790	385.298	4	11.3	194.623	197.053	391.853
4	4.5	193.782	191.296	385.253	4	18.3	197.108	194.587	391.866
4	40.5	191.343	193.788	385.277	4	27.7	194.655	197.060	391.878
4	45.3	193.795	191.351	385.290	4	32.7	197.099	194.631	391.890

Bar. 30.08. Ther. 51.0. Run + 4.8. Images 2. Steadiness 1-2. F.P. 9.50.

Sirius.

1882, September 27.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>
4	15.5	194.651	197.060	391.888	4	26.2	191.383	193.793	385.335
4	20.6	197.113	194.644	391.930	4	30.3	193.768	191.383	385.306
4	52.2	194.638	197.086	391.873	4	43.1	191.333	193.797	385.278
4	56.2	197.038	194.616	391.800	4	47.8	193.803	191.334	385.282

Bar. 30.56. Ther. 50.0. Run + 3.8. Images 2-3. Steadiness 2. F.P. 9.50.

Sirius.

1882, September 28.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	r	R
3	42.5	193.730	191.309	385.239	3	52.6	197.145	194.640	391.985
3	46.7	191.276	193.741	385.212	3	58.3	194.589	197.087	391.869
4	20.9	193.794	191.391	385.347	4	6.5	197.086	194.658	391.928
4	28.0	191.361	193.821	385.338	4	12.9	194.610	197.064	391.851

Bar. 30.24. Ther. 51.0. Run + 3.1. Images 2. Steadiness 2-3. F.P. 9.50.

Sirius.

1882, September 30.

a				b			
h	m	r	R	h	m	r	R
3	41.7	194.537	197.065	3	52.1	191.310	193.785
3	46.4	197.048	194.604	3	56.0	193.764	191.293
4	15.2	194.628	197.066	4	2.6	191.325	193.778
4	19.4	197.057	194.632	4	8.0	193.770	191.311

in
Bar. 30.44. Ther. 49.5. Run + 3.7. Images 1-2. Steadiness 1-2. F.P. 9.50.

Sirius.

1882, October 1.

b				a			
h	m	r	R	h	m	r	R
3	42.5	193.784	191.255	3	57.8	197.064	194.569
3	47.3	191.295	193.796	4	6.2	194.600	197.041
4	31.3	191.273	193.774	4	24.3	197.047	194.631

in
Bar. 30.32. Ther. 51.0. Run + 4.5. Images 2-3. Steadiness 2-3. F.P. 9.50.

Sirius.

1882, October 2.

a				b			
h	m	r	R	h	m	r	R
4	10.5	194.644	197.081	4	21.5	191.358	193.798
4	15.3	197.079	194.643	4	27.6	193.801	191.352
4	47.8	194.651	197.086	4	37.7	191.344	193.775
4	54.7	197.078	194.667	4	42.1	193.812	191.335

in
Bar. 30.19. Ther. 52.5. Run + 2.9. Images 1-2. Steadiness 2. F.P. 9.50.

Canopus.

1882, November 6.

a				b			
h	m	r	R	h	m	r	R
1	33.8	52.548	54.971	1	50.1	45.141	47.589
1	41.8	54.958	52.559	1	56.7	47.545	45.136
2	20.7	52.532	54.989	2	6.1	45.123	47.585
2	26.4	54.973	52.534	2	13.8	47.561	45.130

in
Bar. 30.47. Ther. 48.5. Run + 5.3. Images 2. Steadiness 2-3. F.P. 9.50.

Canopus.

1882, November 7.

b				a			
h	m	r	R	h	m	r	R
1	4.5	45.136	47.556	1	14.5	52.530	55.013
1	8.0	47.561	45.114	1	19.0	54.950	52.537
1	47.5	45.141	47.558	1	28.5	52.470	54.953
1	59.5	47.545	45.155	1	39.5	54.973	52.544

in
Bar. 30.36. Ther. 57.0. Run + 5.5. Images 2-3. Steadiness 2. F.P. 9.50.

Canopus.

1882, November 10.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	r	R
1	48.5	54.975	52.567	107.615	2	5.4	47.575	45.130	92.763
1	58.0	52.507	54.923	107.500	2	10.2	45.162	47.571	92.790
2	32.4	55.010	52.545	107.613	2	18.4	47.522	45.119	92.695
2	35.6	52.562	54.963	107.583	2	25.4	45.145	47.588	92.784

Bar. 30.17. Ther. 58.0. Run + 5.4. Images 2. Steadiness 2. F.P. 9.50.

Sirius.

1883, January 28.

<i>a</i>					<i>b</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>
4	16.4	197.135	194.660	391.960	4	22.4	191.345	193.781	385.278
4	37.4	194.706	197.152	392.008	4	29.4	193.743	191.315	385.205
4	41.9	197.121	194.716	391.983	4	46.9	191.315	193.761	385.212
5	2.9	194.719	197.131	391.984	4	56.9	193.780	191.321	385.232

Bar. 29.97. Ther. 72.0. Run + 4.3. Images 2-3. Steadiness 2-3. F.P. 9.50.

Sirius.

1883, January 29.

<i>b</i>				<i>a</i>					
<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>		
4	15.3	191.323	193.779	385.259	4	21.8	197.097	194.710	391.967
4	36.8	193.805	191.370	385.316	4	29.3	194.710	197.179	392.043

Bar. 29.97. Ther. 76.0. Run + 3.0. Images 2. Steadiness 2-3. F.P. 9.50.

Sirius.

1883, January 30.

<i>a</i>				<i>b</i>					
h	m	r	R	h	m	r	R		
4	38.7	197.118	194.771	392.038	4	44.2	191.376	193.745	385.260
4	58.5	194.711	197.125	391.973	4	51.5	193.726	191.381	385.242

Bar. 29.87. Ther. 70.0. Run + 5.2. Images 2-3. Steadiness 2-3. F.P. 9.50.

Sirius.

1883, February 2.

<i>b</i>				<i>a</i>					
h	m	r	R	h	m	r	R		
4	19.4	191.388	193.762	385.306	4	26.4	197.094	194.705	391.959
4	42.4	193.767	191.371	385.280	4	33.4	194.722	197.134	392.010

Bar. 30.02. Ther. 65.0. Run + 3.9. Images 1-2. Steadiness 2. F.P. 9.50.

Sirius.

1883, February 4.

<i>b</i>					<i>a</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>		<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	
4	28.7	191.391	193.764	385.305	4	34.7	197.148	194.729	392.031
4	45.7	193.769	191.383	385.292	4	41.2	194.726	197.119	391.995

Bar. 30.09. Ther. 64.0. Run + 5.3. Images 2. Steadiness 2-3.

Sirius.

1883, February 5.

<i>b</i>					<i>a</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>		<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	
4	32.6	191.350	193.774	385.270	4	37.6	197.111	194.692	
4	50.1	193.766	191.369	385.272	4	44.6	194.737	197.124	

Bar. 30.07. Ther. 68°. Run + 5.1. Images 3. Steadiness 3. F.P. 9.50.

Sirius.

1883, February 7.

<i>a</i>				<i>b</i>					
<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>		
4	44.6	194.752	197.088	391.987	4	49.9	193.765	191.421	385.324
5	1.4	197.125	194.738	392.001	4	55.4	191.388	193.777	385.299

Bar. 30.05. Ther. 66°o. Run + 4.1. Images 2. Steadiness 2-3. F.P. 9.50.

Sirius.

1883, March 5.

<i>a</i>				<i>b</i>					
<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>		
9	26.8	197.154	194.772	392.051	9	33.3	191.378	193.768	385.274
9	48.1	194.759	197.124	392.016	9	40.7	193.815	191.401	385.348
9	56.3	197.129	194.700	391.967	10	2.6	191.358	193.742	385.244
10	23.0	194.741	197.120	392.015	10	12.5	193.756	191.324	385.231

Bar. 30.13. Ther. 67.0. Run + 4.8. Images 2-3. Steadiness 2-3. F.P. 9.50.

Sirius.

1883, March 8.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	r	R
9	2.2	191.389	193.771	385.280	9	8.8	197.145	194.747	392.013
9	27.0	193.723	191.357	385.208	9	16.8	194.783	197.129	392.035
9	38.9	191.351	193.786	385.270	9	44.2	197.164	194.721	392.019
9	58.1	193.748	191.358	385.249	9	50.8	194.768	197.145	392.049

in
Bar. 30.18. Ther. 61.0. Run + 4.6. Images 3. Steadiness 3. F.P. 9.50.

Sirius.

1883, March 12.

b					a				
h	m	r	r	R	h	m	r	r	R
10	1'9	191'321	193'795	385'260	10	7'1	197'182	194'718	392'044
10	20'0	193'746	191'375	385'278	10	13'6	194'718	197'133	392'000
10	29'7	191'357	193'720	385'242	10	35'0	197'126	194'730	392'021
10	50'0	193'737	191'346	385'271	10	41'5	194'709	197'153	392'034

in
Bar. 30'01. Ther. 63'0. Run + 5'3. Images 3. Steadiness 3. F.P. 9'50.

Sirius.

1883, March 13.

a					b				
h	m	r	r	R	h	m	r	r	R
10	10'7	197'172	194'729	392'047	10	15'5	191'360	193'724	385'236
10	25'7	194'714	197'142	392'012	10	20'5	193'739	191'357	385'252
10	30'9	197'091	194'722	391'974	10	37'3	191'360	193'718	385'250
10	50'0	194'727	197'100	392'007	10	44'2	193'710	191'340	385'229

in
Bar. 30'07. Ther. 67'0. Run + 4'1. Images 1-2. Steadiness 2-3. F.P. 9'50.

Sirius.

1883, March 14.

a					b				
h	m	r	r	R	h	m	r	r	R
10	9'0	197'142	194'713	392'002	10	18'5	191'370	193'738	385'265
10	13'6	194'740	197'158	392'048	10	22'1	193'751	191'330	385'242
10	41'5	194'701	197'172	392'046	10	28'0	193'760	191'349	385'274
10	44'2	197'112	194'693	391'982	10	34'0	191'362	193'728	385'261

in
Bar. 30'23. Ther. 62'0. Run + 4'2. Images 2-3. Steadiness 2-3. F.P. 9'50.

Sirius.

1883, March 16.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	R	
10	1'7	191'373	193'772	385'285	10	12'8	197'117	194'729	391'991
10	7'4	193'732	191'333	385'210	10	18'2	194'726	197'101	391'976
10	35'8	193'743	191'345	385'255	10	24'4	194'764	197'157	392'075
10	41'2	191'293	193'758	385'225	10	30'5	197'152	194'713	392'023

in
Bar. 30'00. Ther. 73'0. Run + 4'0. Images 2-3. Steadiness 2-3. F.P. 9'50.

Sirius.

1883, March 22.

<i>b</i>					<i>a</i>				
h	m	r	R		h	m	r	R	
9	6'4	191'380	193'763	385'263	9	15'9	197'122	194'813	392'057
9	10'3	193'753	191'342	385'216	9	22'4	194'718	197'133	391'975
9	45'9	193'802	191'346	385'282	9	30'2	194'757	197'093	391'976
9	54'4	191'389	193'746	385'273	9	37'9	197'124	194'720	391'973

in
Bar. 30'10. Ther. 67'0. Run + 3'5. Images 3. Steadiness 2-3. F.P. 9'50.

Canopus.

1883, March 24.

a				b					
h	m	r	R	h	m	r	R		
11	28 ^o	54 ^o 949	52 ^o 498	107 ^o 540	11	38 ^o	47 ^o 567	45 ^o 128	92 ^o 773
11	32 ^o	52 ^o 542	54 ^o 968	107 ^o 606	11	44 ^o	45 ^o 118	47 ^o 513	92 ^o 712
12	3 ^o 5	54 ^o 933	52 ^o 509	107 ^o 563	11	51 ^o 2	47 ^o 538	45 ^o 134	92 ^o 756
12	10 ^o	52 ^o 536	54 ^o 916	107 ^o 578	11	56 ^o 1	45 ^o 132	47 ^o 569	92 ^o 787

Bar. 30ⁱⁿ 13. Ther. 61^o0. Run + 5^o3. Images 2-3. Steadiness 2-3. F.P. 9^o50.

Sirius.

1883, March 25.

<i>b</i>					<i>a</i>				
h	m	r	r	R	h	m	r	r	R
9	54 ^o	191 ^o 347	193 ^o 783	385 ^o 246	10	3 ^o 9	197 ^o 173	194 ^o 711	392 ^o 026
9	58 ^o	193 ^o 758	191 ^o 332	385 ^o 207	10	7 ^o 6	194 ^o 732	197 ^o 113	391 ^o 089
10	27 ^o 3	191 ^o 360	193 ^o 770	385 ^o 256	10	13 ^o 7	197 ^o 130	194 ^o 750	392 ^o 028
10	35 ^o	193 ^o 742	191 ^o 323	385 ^o 195	10	20 ^o 6	194 ^o 757	197 ^o 105	392 ^o 016

Bar. 30ⁱⁿ 10. Ther. 65^o0. Run + 3^o8. Images 2-3. Steadiness 2. F.P. 9^o50.

Sirius.

1883, March 27.

<i>a</i>					<i>b</i>				
h	m	r	r	R	h	m	r	R	
9	48 ^o 2	197 ^o 154	194 ^o 751	392 ^o 039	9	55 ^o 5	191 ^o 343	193 ^o 758	385 ^o 241
10	7 ^o 5	194 ^o 724	197 ^o 162	392 ^o 030	10	3 ^o 0	193 ^o 756	191 ^o 330	385 ^o 230
10	10 ^o 5	197 ^o 151	194 ^o 743	392 ^o 040	10	15 ^o 5	191 ^o 339	193 ^o 775	385 ^o 268
10	27 ^o 7	194 ^o 736	197 ^o 113	392 ^o 008	10	23 ^o 0	193 ^o 739	191 ^o 390	385 ^o 288

Bar. 30ⁱⁿ 08. Ther. 65^o0. Run + 5^o4. Images 2-3. Steadiness 2-3. F.P. 9^o50.

Sirius.

1883, March 28.

<i>b</i>					<i>a</i>				
<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	<i>R</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>R</i>	
10	0°0	191°377	193°742	385°262	10	5°5	197°155	194°727	392°027
10	16°7	193°748	191°332	385°235	10	11°5	194°723	197°160	392°031
10	22°7	191°332	193°780	385°272	10	27°7	197°146	194°759	392°066
10	40°5	193°679	191°351	385°208	10	35°5	194°769	197°089	392°026

Bar. 30ⁱⁿ 14. Ther. 61^o0. Run + 3^o8. Images 2-3. Steadiness 2-3. F.P. 9^o50.

 α_2 Centauri.

1883, April 3.

δ^1					α^1				
h	m	r	r	R	h	m	r	r	R
9	46 ^o 5	107 ^o 658	110 ^o 114	217 ^o 934	9	55 ^o 5	115 ^o 135	112 ^o 745	228 ^o 037
10	10 ^o 0	110 ^o 106	107 ^o 676	217 ^o 926	10	2 ^o 5	112 ^o 758	115 ^o 165	228 ^o 075
10	17 ^o 5	107 ^o 676	110 ^o 047	217 ^o 862	10	26 ^o 5	115 ^o 129	112 ^o 757	228 ^o 021
10	39 ^o 0	110 ^o 091	107 ^o 697	217 ^o 913	10	33 ^o 5	112 ^o 780	115 ^o 161	228 ^o 072

Bar. 30ⁱⁿ 17. Ther. 52^o0. Run + 3^o2. Images 3. Steadiness 3. F.P. 9^o50.

α_2 Centauri.

1883, April 3.

 a^1
 b^1

h	m	r	r	R	h	m	r	r	R
17	4.0	112.838	115.227	228.152	17	9.5	110.095	107.683	217.863
17	25.5	115.220	112.799	228.115	17	18.5	107.681	110.077	217.846
17	31.5	112.842	115.217	228.158	17	39.5	110.087	107.700	217.884
17	54.0	115.206	112.805	228.121	17	48.0	107.654	110.101	217.855

Bar. 30.19. Ther. 56.0. Run + 2.8. Images 1-2. Steadiness 1-2. F.P. 9.50.

 α_2 Centauri.

1883, April 4.

 b^1
 a^1

h	m	r	r	R	h	m	r	r	R
17	12.3	107.692	110.105	217.884	17	15.8	115.203	112.840	228.135
17	28.3	110.078	107.671	217.842	17	22.8	112.803	115.206	228.105
17	34.5	107.690	110.088	217.874	17	38.3	115.222	112.823	228.147
17	51.3	110.097	107.662	217.862	17	45.3	112.804	115.215	228.126

Bar. 30.15. Ther. 50.0. Run + 3.4. Images 1-2. Steadiness 1-2. F.P. 9.50.

 α_2 Centauri.

1883, April 5.

 b^1
 a^1

h	m	r	r	R	h	m	r	r	R
11	20.0	107.698	110.121	217.921	11	24.0	115.198	112.800	228.101
11	37.7	110.092	107.696	217.883	11	32.7	112.798	115.217	228.115
11	44.3	107.688	110.108	217.887	11	49.3	115.185	112.808	228.086
12	3.8	110.088	107.693	217.866	11	56.8	112.837	115.219	228.146

Bar. 30.13. Ther. 56.0. Run + 2.5. Images 1-2. Steadiness 1-2. F.P. 9.50.

 α_2 Centauri.

1883, April 7.

 b^1
 a^1

h	m	r	r	R	h	m	r	r	R
17	23.1	107.686	110.076	217.852	17	27.5	115.218	112.809	228.124
17	41.6	110.061	107.707	217.866	17	35.3	112.797	115.230	228.127
17	52.8	107.704	110.103	217.910	17	50.9	115.191	112.779	228.081
18	11.0	110.079	107.679	217.871	18	6.0	112.798	115.183	228.099

Bar. 30.04. Ther. 52.0. Run + 5.1. Images 2. Steadiness 2. F.P. 9.50.

 α_2 Centauri.

1883, April 8.

 a^1
 b^1

h	m	r	r	R	h	m	r	r	R
11	12.4	112.809	115.184	228.100	11	18.2	110.093	107.688	217.882
11	31.6	115.198	112.823	228.119	11	25.3	107.699	110.057	217.854
11	37.1	112.834	115.179	228.109	11	42.2	110.128	107.694	217.913
11	56.5	115.202	112.810	228.101	11	49.3	107.682	110.071	217.841

Bar. 30.03. Ther. 62.0. Run + 4.5. Images 1-2. Steadiness 1-2. F.P. 9.50.

α_2 Centauri.

1883, April 9.

b^1				a^1					
h	m	r	R	h	m	r	R		
11	34.5	107.684	110.097	217.878	11	40.8	115.171	112.782	228.051
11	52.6	110.079	107.703	217.871	11	46.1	112.814	115.138	228.048
11	57.4	107.713	110.104	217.905	12	5.9	115.183	112.853	228.125

Bar. 30.24. Ther. 52.0. Run + 4.8. Images 1-2. Steadiness 1-2. F.P. 9.50.

 α_2 Centauri.

1883, April 10.

b^1					a^1				
h	m	r	r	R	h	m	r	r	R
17	34.2	107.716	110.063	217.874	17	38.6	115.188	112.834	228.124
17	57.6	110.086	107.691	217.883	17	52.1	112.806	115.224	228.139
18	16.0	107.666	110.068	217.850	18	22.1	115.168	112.813	228.109
18	35.3	110.060	107.658	217.845	18	28.5	112.807	115.205	228.144

Bar. 30.26. Ther. 54.0. Run + 4.0. Images 2. Steadiness 2. F.P. 9.50.

 α_2 Centauri.

1883, April 12.

α^1					δ^1				
h	m	r	R		h	m	r	R	
17	45.9	115.202	112.807	228.113	17	51.7	107.705	110.064	217.870
18	6.2	112.807	115.157	228.080	17	59.0	110.113	107.694	217.912
18	13.3	115.165	112.788	228.073	18	22.5	107.656	110.096	217.869
18	34.9	112.792	115.213	228.139	18	28.9	110.077	107.667	217.865

Bar. 29.90. Ther. 57.0. Run + 4.4. Images 2. Steadiness 2-3. F.P. 9.50.

 α_2 Centauri.

1883, April 14.

δ^1					α^1				
h	m	r	r	R	h	m	r	r	R
17	11.5	110.113	107.713	217.910	17	17.9	112.838	115.198	228.127
17	30.0	107.705	110.092	217.889	17	25.5	115.145	112.811	228.051
17	36.2	110.098	107.670	217.862	17	43.6	112.822	115.164	228.089
18	5.2	107.709	110.060	217.877	17	56.5	115.170	112.826	228.105

Bar. 30.21. Ther. 59.0. Run + 2.5. Images 3. Steadiness 3. F.P. 9.50.

 α_2 Centauri.

1883, April 16.

α^1				δ^1					
h	m	r	R	h	m	r	R		
9	58.0	115.148	112.775	228.076	10	6.0	107.675	110.096	217.915
10	21.0	112.788	115.188	228.112	10	14.0	110.129	107.690	217.957
10	27.0	115.181	112.793	228.107	10	36.0	107.692	110.120	217.935
10	52.0	112.801	115.192	228.111	10	44.5	110.066	107.716	217.901

Bar. 30.05. Ther. 60.0. Run + 4.8. Images 2. Steadiness 2-3. F.P. 9.50.

α_2 Centauri.

1883, April 18.

a^1					b^1				
h	m	r	r	R	h	m	r	R	
17	25.2	112.824	115.272	228.190	17	29.7	110.116	107.683	217.890
17	41.4	115.229	112.850	228.181	17	36.0	107.708	110.125	217.926
17	49.0	112.830	115.220	228.155	17	55.5	110.105	107.693	217.901
18	7.5	115.198	112.850	228.165	18	1.7	107.672	110.108	217.886

in
Bar. 30.03. Ther. 60.0. Run + 2.4. Images 2-3. Steadiness 2-3. F.P. 9.50.

 α_2 Centauri.

1883, April 20.

a^1				b^1					
h	m	r	R	h	m	r	R		
9	39.4	112.796	115.171	228.132	9	44.8	110.078	107.698	217.935
10	1.0	115.162	112.793	228.103	9	51.5	107.686	110.104	217.943
10	38.7	112.784	115.185	228.093	10	41.9	110.140	107.710	217.969

in
Bar. 29.77. Ther. 60.5. Run + 3.0. Images 2. Steadiness 2. F.P. 9.50.

 α_2 Centauri.

1883, April 23.

b^1					a^1				
h	m	r	r	R	h	m	r	R	
11	19.5	110.105	107.709	217.916	11	26.3	112.783	115.210	228.096
11	37.3	107.704	110.120	217.918	11	31.7	115.203	112.796	228.099
11	46.5	110.130	107.718	217.939	11	52.6	112.812	115.215	228.118
12	6.2	107.713	110.098	217.896	11	58.3	115.182	112.811	228.083

in
Bar. 29.92. Ther. 57.0. Run + 3.4. Images 1-2. Steadiness 2. F.P. 9.50.

 α_2 Centauri.

1883, April 23.

b^1					a^1				
h	m	r	r	R	h	m	r	R	
17	38.9	110.096	107.721	217.913	17	44.9	112.801	115.219	228.123
17	56.5	107.720	110.077	217.900	17	50.8	115.217	112.834	228.157
18	5.4	110.104	107.680	217.893	18	12.3	112.772	115.196	228.087
18	26.5	107.697	110.080	217.896	18	18.5	115.190	112.798	228.112

in
Bar. 29.89. Ther. 56.0. Run + 3.7. Images 2. Steadiness 2. F.P. 9.50.

 α_2 Centauri.

1883, April 25.

a^1				b^1					
h	m	r	R	h	m	r	R		
10	13.4	112.770	115.158	228.070	10	19.0	110.075	107.663	217.871
10	35.5	115.158	112.784	228.070	10	28.3	107.661	110.120	217.910
10	43.7	112.796	115.181	228.099	10	50.8	110.085	107.673	217.874

in
Bar. 30.05. Ther. 59.0. Run + 4.3. Images 1-2. Steadiness 2-3. F.P. 9.50.

α_2 Centauri.

1883, April 28.

 δ^1 α^1

h	m	r	r	R	h	m	r	r	R
10	13.2	107.702	110.094	217.936	10	17.6	115.189	112.774	228.102
10	28.0	110.093	107.686	217.909	10	23.8	112.802	115.177	228.115
10	39.2	107.688	110.111	217.921	10	44.7	115.171	112.783	228.077
10	59.0	110.112	107.724	217.947	10	50.0	112.808	115.183	228.111

in

Bar. 30.20. Ther. 57.5. Run + 2.5. Images 2. Steadiness 2. F.P. 9.50.

Canopus.

1883, April 30.

 a b

h	m	r	r	R	h	m	r	r	R
11	21.5	54.930	52.528	107.548	11	32.0	47.567	45.157	92.800
11	27.2	52.566	54.966	107.626	11	40.0	45.146	47.546	92.772
11	57.0	54.943	52.525	107.585	11	44.5	47.513	45.133	92.728
12	2.8	52.526	54.933	107.582	11	51.0	45.179	47.544	92.807

in

Bar. 30.14. Ther. 55.0. Run + 5.9. Images 2-3. Steadiness 2-3. F.P. 9.50.

Canopus.

1883, May 1.

 a b

h	m	r	r	R	h	m	r	r	R
11	20.0	54.919	52.603	107.610	11	30.2	47.524	45.174	92.772
11	24.8	52.561	54.948	107.600	11	34.2	45.151	47.563	92.791
11	56.4	54.891	52.562	107.568	11	44.5	47.530	45.147	92.758
12	1.9	52.595	54.939	107.654	11	49.5	45.160	47.521	92.764

in

Bar. 30.07. Ther. 59.5. Run + 4.1. Images 2-3. Steadiness 2-3. F.P. 9.50.

Canopus.

1883, May 3.

 b a

h	m	r	r	R	h	m	r	r	R
10	9.0	45.219	47.522	92.791	10	19.0	52.573	54.961	107.595
10	13.6	47.561	45.194	92.806	10	25.8	54.974	52.577	107.615
10	49.5	45.169	47.571	92.800	10	35.2	52.587	54.943	107.597
10	55.5	47.519	45.176	92.758	10	42.5	54.941	52.583	107.594

in

Bar. 30.00. Ther. 60.0. Run + 4.9. Images 2. Steadiness 2. F.P. 9.50.

ERRATA AND ADDENDA.

HELIOMETER OBSERVATIONS FOR STELLAR PARALLAX.

Page.	No.	Column.	For	Read
3	1	4	298.091	298.177
4	1	1	18.8.9	18.18.9
5	2	3	35.695	35.696
6	1	Ther.	39.8	42.5
8	1	"	48.1	48.4
"	2	8	467.206	467.256
9	1	Date	August 20.	August 30.
"	2	2	35.698	35.696
11	1	Ther.	55.3	53.3
13	5	Run	4.9	3.9
14	3	5	19.55.6	19.45.6
17	4	5	0.52.5	0.53.5
18	2	3	137.707	139.707
20	2	2	81.596	81.597
"	3	Date	November 24.	November 25.
"	5	8	282.092	282.093
21	1	Images	2	2-3
23	4	8	282.059	282.057
"	"	Steadiness	2	2-3
24	2	2	117.797	117.707
"	"	5	8.54.2	8.54.3
"	5	3	139.774	139.772
25	2	7	139.787	139.789
"	3	8	487.324	487.322
26	3	5	4.22.2	4.42.2
27	1	Stars	α, β .	α^1, β^1 .
"	"	3	232.170	232.190
"	5	Star	α Centauri.	α_2 Centauri.
"	"	Stars	β, α .	β^1, α^1 .
"	"	6	234.639	234.689
29	3	5	13.12.3	13.21.3
30	1	Run	6.1	3.6
31	2	5	10.27.3	10.23.7

Page.	No.	Column.	For	Read
31	2	6	232·262	232 252
"	5	3	213·904	213·404
33	1	3	213·386	213·381
34	4	Steadiness	2	3
36	5	Ther.	64·0	63·5
37	1	"	61·5	62·3
39	5	7	144·273	144·276
43	1	Ther.	59·5	60·0
44	4	Images	1-2	2
45	5	Ther.	57·5	58·0
46	1	Steadiness	2-3	3
47	3	Ther.	48·0	49 3
48	5	"	46·5	45·3
49	3	6	150·078	150·079
50	1	Ther.	53·5	54·8
51	4	Steadiness	2-3	3
"	5	5	18·52·3	18·52·2
54	1	Steadiness	2	3
59	1	Run	2·5	2·8
"	5	Steadiness	2	3
61	1	Ther.	53·0	52·5
73	3	3	144·358	144·356
"	5	7	211·107	211·139
75	1	2	117·626	147·626
76	2	5	18·25·9	18·25·8
80	2	Images	2-3	3
"	"	Steadiness	2-3	3
85	5	3	171·929	171·926
91	4	2	194·140	194·190
"	"	Ther.	71·7	70·7
92	3	"	58 8	58·0
93	5	"	63·1	53·1
94	1	Images	3	3-4
98	1	7	193·706	193·766
"	3	Steadiness	3	3-4
99	2	Ther.	54·0	57·0
103	2	1	12·2·7	11·2·7
"	5	Images	3	3-4
104	1	"	3	3-4
105	1	5	18·2·4	18·12·4

Page.	No.	Column.	For	Read
106	3	Steadiness	3	3-4
108	2	6	243.000	243.300
"	4	Ther.	49.8	49.3
116	2	"	45.5	46.2
"	5	"	53.0	54.5
"	"	Images	2-3	1-2
"	"	Steadiness	2-3	1-2
117	3	Images	3	3-4
121	3	7	194.566	194.566
125	4	Images	2	3
127	4	Steadiness	3	3-4
128	1	"	3	3-4
"	4	Images	1-2	2
"	5	7	240.756	240.766
129	2	8	537.	538.
130	2	7	195.502	195.507
"	3	Steadiness	3	3-4
131	4	"	3	3-4
133	4	"	3	3-4
135	2	Bar.	29.81	29.89
"	4	Run	+ 0.4	- 0.4
"	"	Images	2	3
136	1	Ther.	46.0	64.0
139	4	"	59.0	60.0
140	4	Steadiness	3	3-4
144	3	Ther.	53.0	52.5
145	3	"	61.0	60.5
146	2	Steadiness	3	3-4
149	1	Ther.	46.0	45.5
150	2	8	511.599	511.559
"	3	F.P.	9.50	9.00
"	4	"	9.50	9.00
153	5	Images	2	3
160	1	Ther.	52.0	50.0
161	3	"	57.0	57.5
"	4	"	56.0	56.5
"	5	"	59.0	59.5

DATA TO BE INSERTED IN HELIOMETER OBSERVATIONS.

Page.	No.	Bar.	Ther.	Run.	Page.	No.	Bar.	Ther.	Run.
		in.	°				in.	°	
9	2	30.34	55.0	+ 2.3	27	8	30.09	61.5	+ 3.9
10	5	30.42	55.0	+ 6.2	27	5	—	—	+ 2.7
12	5	—	—	+ 3.3	28	1	—	—	+ 3.9
14	5	30.07	53.2	+ 3.9	30	1	—	—	+ 3.6
15	1	30.10	50.0	+ 4.5	31	5	—	—	+ 4.7
21	3	30.14	55.0	+ 2.6					

Page.	No.	Images.	Steadiness.	Page.	No.	Images.	Steadiness.
5	1	3	3	11	5	1	2
	3	3	3-4	12	1	3	3
	5	2	2		2	3	3
6	1	1-2	2-3		3	2	3-4
	2	1-2	1-2		4	1-2	2
	4	2	2-3		5	1	1-2
	5	1-2	1-2	13	1	2-3	3
7	1	1-2	1-2		2	3-4	4
	2	2	3		3	3	3
	3	2-3	3-4		4	2-3	2-3
	4	4	3-4		5	1-2	2-3
	5	2	1-2	14	1	2	2-3
8	1	2	3-4		2	3-4	3
	2	2	2		3	1-2	2-3
	3	3-4	3-4		4	1-2	1-2
	4	2-3	2-3		5	1-2	3-4
	5	1-2	1-2	15	1	1-2	1-2
9	1	2	2		2	1-2	2
	3	2-3	2		3	2	2-3
	4	1	2		4	1	1
	5	1	2		5	3	3
10	1	2	3	16	2	2-3	2-3
	2	1-2	2-3		3	1-2	1-2
	3	3-4	3		4	1-2	1-2
	4	3	3	17	1	2	3-4
	5	3	3	18	2	2-3	2-3
11	1	2	2		5	2	2
	2	4	4	19	1	2	2-3
	3	2	2		2	2-3	2-3
	4	2	3		3	2	2

Page.	No.	Images.	Steadiness.	Page.	No.	Images.	Steadiness.
19	4	2-3	2-3	27	5	2	2-3
	5	3	3	28	3	3	3
20	1	2-3	2		4	2	2
	2	3	3		5	2-3	3
	3	2-3	2-3	29	1	3	3
	4	2	2-3		2	2	3
	5	2-3	2-3		4	3-4	3-4
21	1	2	3		5	2-3	3-4
	2	1-2	2-3	30	1	3	3
	3	3	3		2	2-3	3
	4	1-2	2-3		3	2-3	3
	5	1-2	2-3		4	1-2	2-3
22	1	2-3	2-3		5	2-3	3
	2	2-3	2-3	31	1	1-2	1-2
	3	1-2	2-3		2	1-2	1-2
	4	2	3		3	2	2
	5	3	3		4	2-3	3
23	1	2-3	3		5	2	2-3
	2	3	3	32	1	3	3-4
	3	1-2	1-2		2	2-3	2-3
	4	2-3	3		3	2	2
	5	2-3	2-3		4	3-4	3-4
24	1	1-2	2-3		5	3	3
	2	1-2	2-3	71	4	2	2-3
	3	1-2	3	72	1	2	2-3
	4	2	2-3	81	3	2	2
	5	2-3	2-3	83	2	2	2
25	1	2	3-4	84	2	3	3
	2	1-2	2	100	1	1-2	2
	3	2-3	3	104	5	2-3	3
	4	1	1-2	105	2	2	2
26	1	1	1-2		5	2	3
	2	1-2	2	108	1	3	3
	3	2	2-3		2	2	2-3
	4	2	2	109	3	2-3	2-3
	5	1-2	1-2		4	2	2
27	1	1-2	2	110	1	2	2
	2	1-2	2		2	2	2
	3	1-2	1-2	143	4	2	2-3
	4	2	2-3				

h m r r r

Page 73. No. 1. Columns 1 to 4. Insert 8·18·8, 251 531, 253·897, 505·574.
Page 156. No. 1. Insert F.P. 9·50.

**UNIVERSITY OF CALIFORNIA LIBRARY
BERKELEY**

**Return to desk from which borrowed.
This book is DUE on the last date stamped below.**

ASTRONOMY LIBRARY

DEC 14 1982

APR 01 2002

701161

QB813

G5

Astron

Dept

UNIVERSITY OF CALIFORNIA LIBRARY

4 210

